



EU Ecolabel Textile Products

User Manual

EU ECOLABEL TEXTILE PRODUCTS

USER MANUAL

Commission Decision (EU 2014/350)

Commission Decision (EU 2017/1392)

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Contents

| | |
|--|-----------|
| Legal notice | 5 |
| Part A: General Information | 5 |
| 1 Introduction..... | 5 |
| 1.1 Who can apply for the EU Ecolabel and where to apply? | 5 |
| 2 How to apply for the EU Ecolabel? | 6 |
| 2.1 For which products can applications be made? | 7 |
| Part B: Product assessment and verification..... | 8 |
| 1. TEXTILE FIBRE CRITERIA..... | 9 |
| Criterion 1: Cotton and other natural cellulosic seed fibres (including kapok) | 10 |
| Criterion 2: Flax and other bast fibres (including hemp, jute and ramie) | 11 |
| Criterion 3: Wool and other keratin fibres (including wool from sheep and lambs, and hair from camel, alpaca and goat) | 12 |
| Criterion 4: Acrylic..... | 14 |
| Criterion 5: Elastane..... | 14 |
| Criterion 6: Polyamide (or nylon) | 14 |
| Criterion 7: Polyester..... | 14 |
| Criterion 8: Polypropylene..... | 14 |
| Criterion 9: Man-made cellulose fibres (including viscose, modal and lyocell) | 16 |
| 2. COMPONENT AND ACCESSORIES CRITERIA..... | 17 |
| Criterion 10: Fillings..... | 18 |
| Criterion 11: Coatings, laminates and membranes..... | 18 |
| Criterion 12: Accessories..... | 18 |
| 3. CHEMICALS AND PROCESS CRITERIA..... | 19 |
| Criterion 13: Restricted Substance List (RSL) | 19 |
| Criterion 14: Substitution of hazardous substances and mixtures used in dyeing, printing and finishing..... | 21 |
| Criterion 15: Washing, drying and curing energy efficiency..... | 21 |
| Criterion 16: Treatment of emissions to air and water..... | 22 |
| 4. FITNESS FOR USE CRITERIA..... | 23 |



EU ECOLABEL TEXTILE PRODUCTS USER MANUAL

Commission Decision (EU) 2014/350; and Commission Decision (EU) 2017/1392

| | |
|--|------------|
| Criterion 17: Dimensional changes during washing and drying..... | 24 |
| Criterion 18: Colour fastness to washing..... | 24 |
| Criterion 19: Colour fastness to perspiration (acid, alkaline) | 24 |
| Criterion 20: Colour fastness to wet rubbing..... | 24 |
| Criterion 21: Colour fastness to dry rubbing..... | 24 |
| Criterion 22: Colour fastness to light..... | 26 |
| Criterion 23: Wash resistance and absorbency of cleaning products..... | 26 |
| Criterion 24: Fabric resistance to pilling and abrasion..... | 26 |
| Criterion 25: Durability of function..... | 26 |
| 5. CORPORATE SOCIAL RESPONSIBILITY CRITERIA..... | 27 |
| Criterion 26: Fundamental principles and rights at work..... | 27 |
| Criterion 27: Restriction on the sandblasting of denim..... | 27 |
| 6. SUPPORTING INFORMATION..... | 28 |
| Criterion 28: Information appearing on the EU Ecolabel..... | 28 |
| Part C: Application form..... | 29 |
| Part D: Declarations..... | 32 |
| APPENDICES | 102 |
| Appendix 1: EU Ecolabel textile Restricted Substance List (RSL) | 102 |
| (a) Restrictions applying to fibre and yarn spinning and weaving | 103 |
| (b) Restrictions applying to bleaching..... | 103 |
| (c) Restrictions applying to dye houses | 104 |
| (d) Restrictions applying to printing processes | 105 |
| (e) Restrictions applying to finishing processes | 105 |
| (f) Restrictions applying to all production stages..... | 106 |
| (g) Restrictions applying to the final product..... | 108 |
| Appendix 2: Dye restrictions | 112 |
| (a) Carcinogenic aromatic amines | 112 |
| (b) Indicative list of dyes that may cleave to carcinogenic aromatic amines..... | 113 |
| (c) Dyes that are CMR or which potentially be sensitising | 114 |



EU ECOLABEL TEXTILE PRODUCTS USER MANUAL

Commission Decision (EU) 2014/350; and Commission Decision (EU) 2017/1392

Appendix 3: Best available technique in the field of washing, drying and curing energy efficiency..... 115

Appendix 4: Guidance on which declarations to use for Criterion 13 - Restricted Substance List (RSL). 116

Legal notice

This User Manual is for guidance only; it does not have any legal standing and does not, in any way, replace the Commission Decisions or any relevant legislation. The information in this document does not constitute legal advice. Usage of the information remains under the sole responsibility of the user. In case of doubt on specific points in the Manual, please refer directly to the national competent body.

Part A: General Information

1 Introduction

This document is designed to guide the applicant through the process of applying for an EU Ecolabel for textile products. It should be read in conjunction with the Commission Decision of 5th June 2014 (2014/350/EU)¹ establishing the ecological criteria for the award of the EU Ecolabel for textile products, and the Commission Decision of 25th July 2017 (2017/1392/EU)² amending Decision 2014/350/EU.

It includes an outline of all data, tests and documentation that are required to demonstrate compliance.

1.1 Who can apply for the EU Ecolabel and where to apply?

Manufacturers, importers and service providers may submit applications for the award of the EU Ecolabel. Traders and retailers may also apply but can only submit applications for products marketed under their own brand names.

EU Ecolabel applications can be made via a single application that covers all of the countries within the European Economic Area (EEA)³.

Every country has a representative, known as a Competent Body, which assesses the applications. The choice of which country you should apply to is determined by the following rules:

- If the product originates in one of the EEA Member States, then an application should be made to the EU Ecolabel Competent Body of that Member State.
- If your product originates from outside the EEA, you should apply to the EEA Member State in which the product is (or is about to be) placed on sale.

All EEA Member States assess applications against the same criteria, but individual States have slightly different procedures and fees for handling applications. Contact details of each Member State's Competent Body are available here:



<http://ec.europa.eu/environment/ecolabel/competent-bodies.html>

¹ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32014D0350>

² https://eur-lex.europa.eu/legal-content/IT/TXT/?uri=uriserv:OJ.L_.2017.195.01.0036.01.ENG

³ http://eeas.europa.eu/eea/index_en.htm

2 How to apply for the EU Ecolabel?

A step-wise approach to applying for the EU Ecolabel is available on the EU Ecolabel website at:



<https://ec.europa.eu/environment/ecolabel/how-to-apply-for-eu-ecolabel.html>

A checklist to be used to evaluate that all process steps have been completed before submitting an application is also available for applicants (see Table 1). Alternatively, you may directly contact the relevant Competent Body in your country (see section 1.1), for assistance with your application.

Figure 1 outlines the stages involved in applying for the EU Ecolabel.

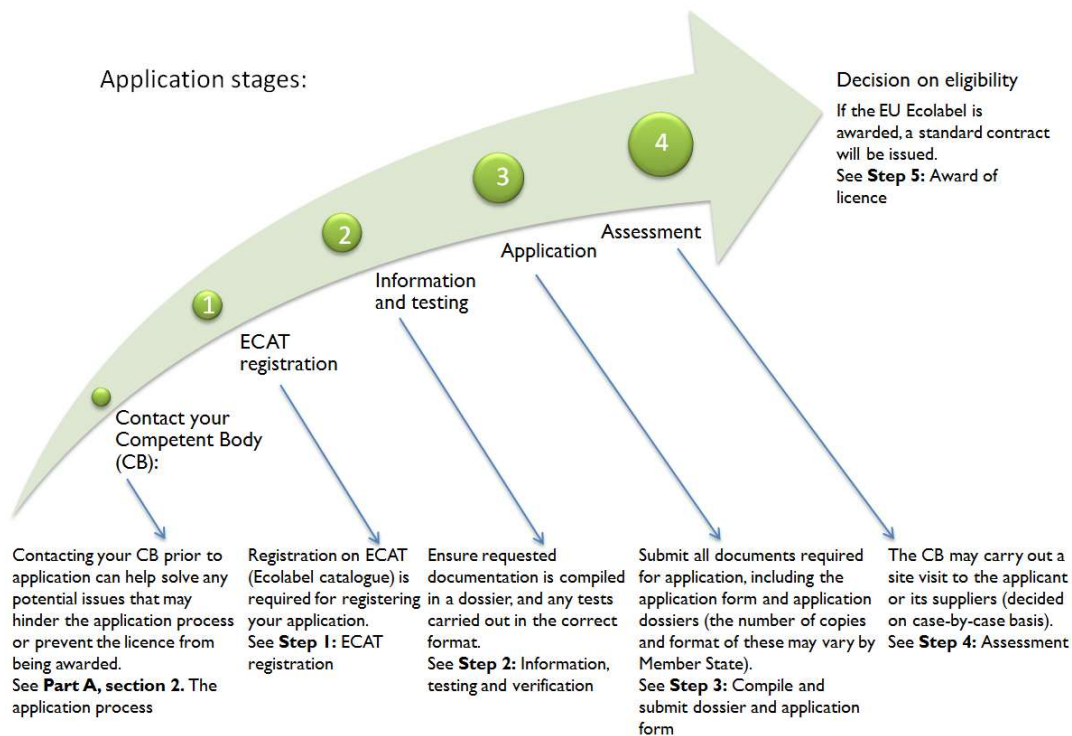



Figure 1 EU Ecolabel application stages

Table 1 Checklist for the application process

| Requirement | Tick when complete |
|---|--------------------------|
| Ensure that your product is eligible for EU Ecolabel in accordance to Commission Decision 2014/350/EU , and Commission Decision 2017/1392/EU . | <input type="checkbox"/> |
| Download the relevant product group criteria and the Amendments from 2017 and read them carefully. | <input type="checkbox"/> |
| Identify the Competent Body in the relevant Member State you can apply to and notify them of your intention to apply for the EU Ecolabel | <input type="checkbox"/> |
| Register with ECAT, the online EU Ecolabel Catalogue, which is a reference a point for stakeholders to check licence validity.  ECAT User Manual for applicants | <input type="checkbox"/> |
| Ask your Competent Body for the Application Form or complete the available at Part C . | <input type="checkbox"/> |
| Ensure that you have all the required documentation. For further help on the documentation needed, please see Part D of this document. | <input type="checkbox"/> |
| Submit all application documents, including the application form and the assessment and verification documentation. | <input type="checkbox"/> |
| If only submitting a change to products or suppliers, identify the nature of the change and submit supporting documentation, which should ensure supplier's compliance with the criteria. An updated list of suppliers must also be provided. | <input type="checkbox"/> |

2.1 For which products can applications be made?

The criteria cover the following textile products:

- (a) **Textile clothing and accessories:** clothing and accessories consisting of at least 80 % by weight of textile fibres in a woven, non-woven or knitted form;
- (b) **Interior textiles:** textile products for interior use consisting of at least 80 % by weight of textile fibres in a woven, non-woven or knitted form;
- (c) **Fibres, yarn, fabric and knitted panels:** intended for use in textile clothing and accessories and interior textiles, including upholstery fabric and mattress ticking prior to the application of backings and treatments associated with the final product;
- (d) **Non-fibre elements:** zips, buttons and other accessories that are incorporated into the product. Membranes, coatings and laminates;
- (e) **Cleaning products:** woven or non-woven fabric products intended for the wet or dry cleaning of surfaces and the drying of kitchenware.

Part B: Product assessment and verification

The Criteria, and the sub-categories under which they are grouped, are listed in **Table 2**. The hyperlinks will take you to the relevant section of this user manual.

***Table 2** EU Ecolabel Criteria for textile products*

| Sub-category | Criteria |
|---|--|
| Textile fibres | 1. Cotton and other natural cellulosic seed fibres [*] 2. Flax and other bast fibres 3. Wool and other keratin fibres [*] 4. Acrylic 5. Elastane 6. Polyamide 7. Polyester 8. Polypropylene 9. Man-made cellulose fibres (lyocell, modal and viscose) |
| Components and accessories | 10. Fillings 11. Coatings, laminates and membranes 12. Accessories |
| Chemicals and processes | 13. Restricted Substance List (RSL) [*] 14. Substitution of hazardous substances in dyeing, printing and finishing [*] 15. Washing, drying and curing energy efficiency 16. Treatment of emissions to air and water [*] |
| Fitness for use | 17. Dimensional changes during washing and drying 18. Colour fastness to washing 19. Colour fastness to perspiration (acid, alkaline) 20. Colour fastness to wet rubbing [*] 21. Colour fastness to dry rubbing [*] 22. Colour fastness to light 23. Wash resistance of cleaning products 24. Fabric resistance to pilling and abrasion 25. Durability of function |
| Corporate Social Responsibility | 26. Fundamental principles and rights at work 27. Restriction on the sandblasting of denim |
| Supporting information | 28. Information appearing on the EU Ecolabel |

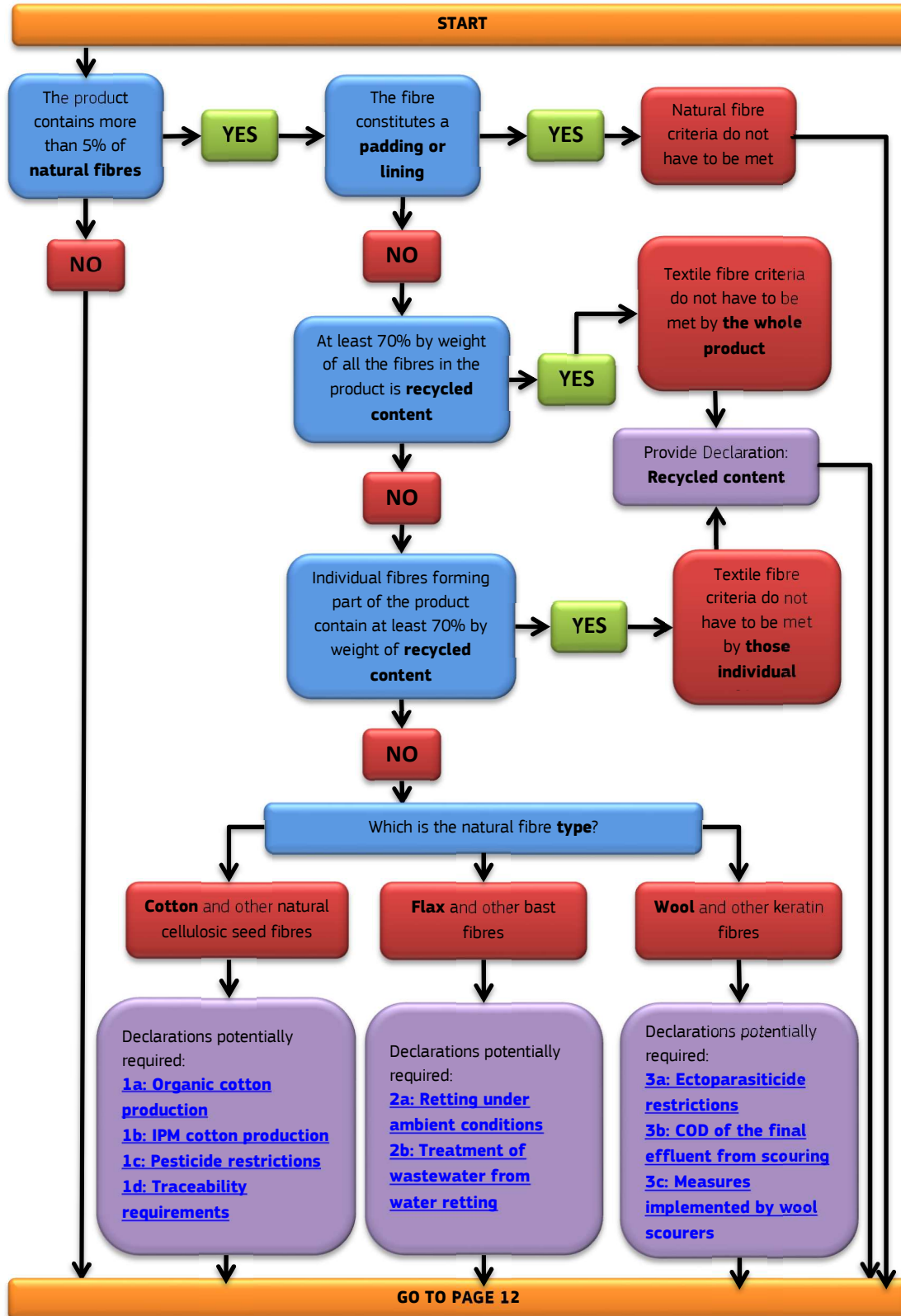
[*] These criteria have been amended by the Commission Decision 2017/1392/EU.

[Appendix 1](#) contains the Restricted Substance List (RSL) referred to in [Criterion 13](#). The RSL applies to hazardous substances that may be used to manufacture textile products and which may be contained in the final product. Appendix 1 has also been amended by the Commission Decision 2017/1392/EU, and these amendments have been incorporated in this version of the User Manual.

In the following sections, each sub-category of the Ecolabel criteria will be elaborated on together with the underlying criteria

1. TEXTILE FIBRE CRITERIA

The TFC covers Textile fibres which could be natural fibres, synthetic fibres and man-made cellulose fibres. To evaluate for compliance against the criteria, the flow chart below is recommended.



Criterion 1: Cotton and other natural cellulosic seed fibres (including kapok)

Cotton and other natural cellulosic seed fibres shall comply with **one** of the following sub-criteria:

- **Sub-Criterion 1(a)** Minimum requirement for Organic production standard.

i Clarification of key points of Sub-Criterion 1(a):

- *Only in case an organic cotton claim is made under Criterion 28, all conventional cotton and IPM cotton that is blended with organic cotton shall come from non-genetically modified varieties ([Regulation \(EC\) No 1830/2003](#)).*
- *For the purposes of calculating the percentage of cotton in a product that is required to comply with Criterion 1(a), the recycled cotton fibre content shall be deducted from the required minimum percentages, except in the case of clothing for babies under 3 years old.*
- *For conventional and IPM cotton that is blended with organic cotton, a qualitative screening test for common genetic modifications carried out according to EU Reference Methods for GMO analysis and indicating a GMO-free result can be accepted as a proof of compliance. Tests shall be made on samples of raw cotton from each country of origin and before it passes through any wet treatment. Certification of IPM cotton by schemes that exclude genetically modified cotton shall be accepted as proof of compliance.*

- **Sub-Criterion 1(b)** Cotton production according to IPM principles.

i Clarification of key points of Sub-Criterion 1(b):

- *IPM stands for 'Integrated Pest Management' and ICM stands for 'Integrated Crop Management'.*
- *For the purposes of calculating the percentage of cotton in a product that shall be required to comply with Criterion 1(b):*
 - *Any organic cotton fibre content shall be deducted from the required minimum percentage.*
 - *The recycled cotton fibre content shall be deducted from the required minimum percentages, except in the case of clothing for babies under 3 years old.*

Example for Sub-Criterion 1(b):

My product is a T-shirt for adults which contains:

- 20% of organic cotton
- 10% of recycled cotton
- 35% of cotton grown according to IPM principles
- 35% of other fibres

Does my product comply with Sub-Criterion 1(b)?

The organic and recycled cotton content is deducted from the required minimum percentage of cotton that shall be grown according to IPM principles: $60\% - (10+20\%) = \mathbf{30\%}$

Therefore, my product complies with this Sub-Criterion.

In addition to Sub-Criteria 1(a) and 1(b), the following sub-criteria need to be considered:

- **Sub-Criterion 1(c)** applies to all the conventional cotton and IPM cotton used in the product, with the exception of organic cotton and cotton from IPM schemes exempted in sub-Criterion 1(b).

i Clarification of key points of Sub-Criterion 1(c):

- The list of restricted pesticides has been updated in the [Commission Decision 2017/1392/EU](#).
- The sum total of the listed pesticides detected upon testing of the cotton shall not be greater than 0,5 ppm.
- Compliance with the pesticide restriction is **not** required for IPM or ICM schemes that prohibit use of the substances listed, and where either testing is carried out or declarations of non-use are obtained from farmers and/or farmer producer groups.

i Clarification of key points of Sub-Criterion 1(c), as suggested by the Competent Bodies:

- The testing for the listed substances can be performed either on bales or yarns, as long as the material has not been exposed to water.
- The field notebook of the farmers could be used as means of proof.

- According to **Sub-Criterion 1(d)**, all organic and IPM cotton shall be fully traceable in accordance with criterion 1(d), with verification accepted based on the annual volume of cotton purchased or the content of the final product.

i Clarification of key points of Sub-Criterion 1(d):

- Compliance can be demonstrated:
 - On an annualised basis, with transaction records and/or invoices that document the quantity of cotton purchased on an annual basis from farmers or producer groups, and/or the total weight of certified cotton, up until greige fabric production;
 - On a final product basis, with documentation corresponding to the quantity of cotton used in each final product, from the spinning and/or fabric production stages.
- Cotton certified according to the GOTS, Fair Trade, Organic Exchange Blended and OEKO-TEX 100 - as well as equivalent content claim or traceability standards - shall be accepted as complying with the requirements of sub-criterion 1(d).

Criterion 2: Flax and other bast fibres (including hemp, jute and ramie)

Flax and other bast fibres shall comply with the following sub-criteria:

- **Sub-Criterion 2(a)** Retting under ambient conditions.
- **Sub-Criterion 2(b)** Treatment of wastewater from water retting

i Clarification of key points of Sub-Criterion 2(b):

- COD stands for 'chemical oxygen demand'; TOC stands for 'Total Organic Carbon'. Both relate to levels of contamination in a water sample.
- You can see an example for a COD calculation in Sub-Criterion 3(b).

Criterion 3: Wool and other keratin fibres (including wool from sheep and lambs, and hair from camel, alpaca and goat)

Wool and other keratin fibres shall comply with the following sub-criteria:

- **Sub-Criterion 3(a)** Ectoparasiticide restrictions applying to wool

i Clarification of key points of Sub-Criterion 3(a):

- *The test should be made on farmer or sales lots of raw wool, by country of origin (if mixed) and before any wet processing. A minimum of one composite sample shall be tested per processing lot, consisting of **either** of the following:*
 - *Wool fibres from at least 10 randomly selected farmer or sales lots (by country of origin), where there are more than 10 sales lots for that country of origin within the processing lot;*
 - *One sample per sales lot or farmer lot (whichever is less) supplying the processing lot where there are less than 10 sales lots for that country of origin within the processing lot.*

- **Sub-Criterion 3(b)** COD of the final effluent from wool scouring

i Clarification of key points of Sub-Criterion 3(b):

- *Fine wool is defined as merino wool of ≤ 23.5 micron in diameter.*
- *Compliance with this criterion shall be based on monthly averages for the six months preceding the application.*

Example of a COD (Chemical Oxygen Demand) wastewater calculation:

The test method for COD determination is ISO 6060. The calculation method is presented below:

C: *COD concentration (in mg/l) in wastewater from wet processes discharged to the environment.*

W: *Volume of wastewater (in m³) discharged.*

P: *Weight (in ton) of manufactured textile.*

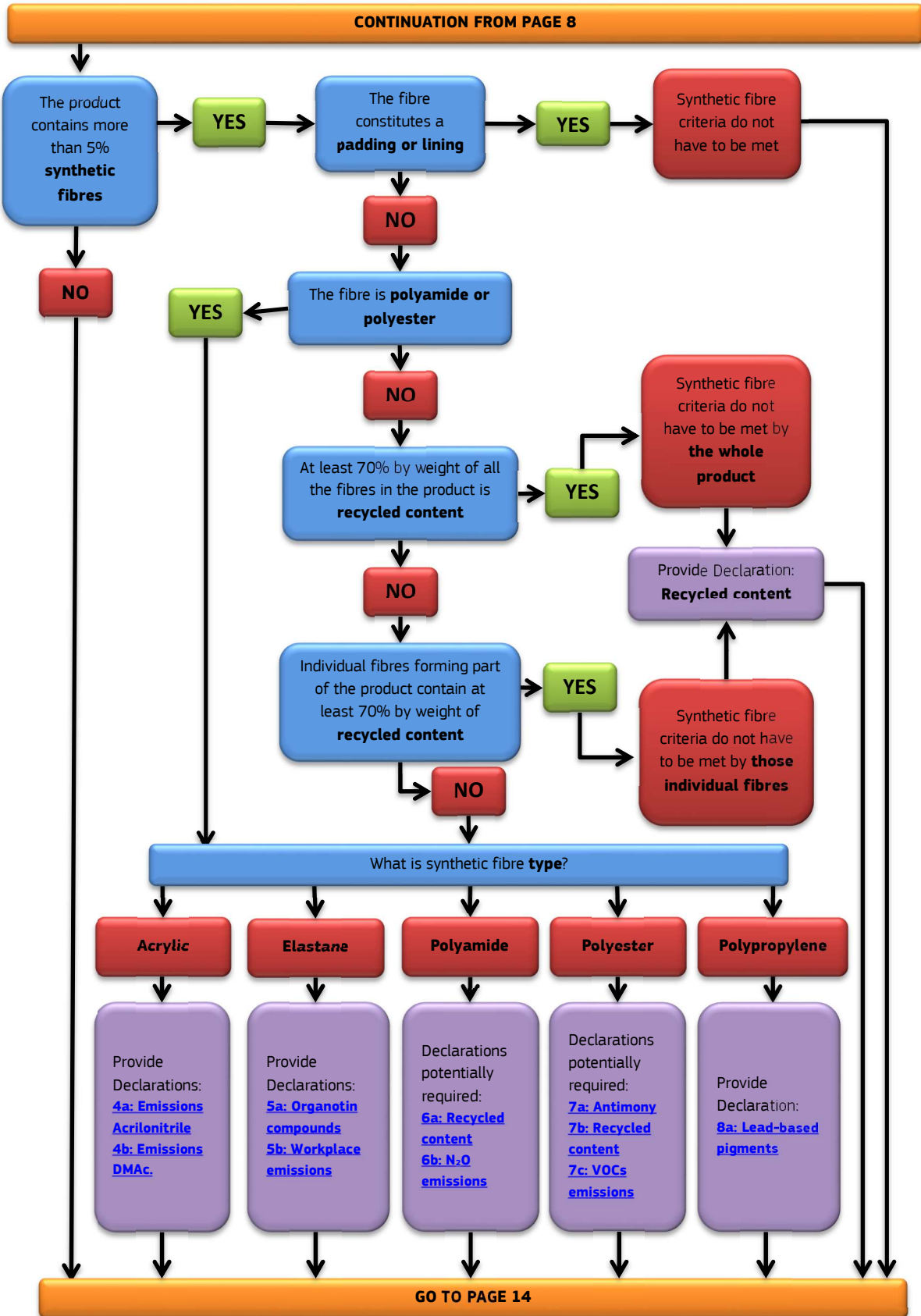
$$\text{Emissions of COD in wastewater (in g/kg)} = \frac{C}{1000} \cdot \frac{W}{1000} \cdot \frac{P}{1000}$$

*The calculation shall be done by using the **monthly average** data for the six months preceding the application. The results are expressed as g of COD per kg of wool.*

Considering a textile industry which every month discharges 10,470 m³ of wastewater, manufactures 300 tonnes of textile, and whose wastewater has a COD concentration of 370 mg/l, the emissions of COD in g/kg of wool would be calculated as follows:

$$\frac{370}{1000} \cdot \frac{10470}{1000} \cdot \frac{300}{1000} = 12.9 \text{ COD g/kg}$$

- **Sub-Criterion 3(c)** Measures implemented by wool scourers



Criterion 4: Acrylic

Acrylic fibres shall comply with the following sub-criteria:

- **Sub-Criterion 4(a)** Emissions to air of acrylonitrile
- **Sub-Criterion 4(b)** Emissions to air of N,N-dimethylacetamide

Criterion 5: Elastane

Elastane fibres shall comply with the following sub-criteria:

- **Sub-Criterion 5(a)** Non-use of organotin compounds
- **Sub-Criterion 5(b)** Workplace emissions to air

Criterion 6: Polyamide (or nylon)

Polyamide products shall comply with **at least one** of the production standards listed below:

- **Sub-Criterion 6(a)** Production standard 1: Minimum recycled content

i Clarification of key points of Sub-Criterion 6(a):

- *Depending on their source, recycled fibres can contain hazardous substances restricted by other criteria.*
- *Where required by Criterion 13, declarations and laboratory testing results shall be provided by fibre manufacturers and feedstock suppliers.*

- **Sub-Criterion 6(b)** Production standard 2: N₂O emissions from monomer production

Criterion 7: Polyester

Textile products that are primarily for sale to **consumers** shall comply with sub-Criteria 7(a) and 7(b).

Textile products that are primarily for sale to **commercial or public sector customers** shall comply with 7(a) and **either** 7(b) **or** 7(c).

i Clarification of key points of Criterion 7, as interpreted by the Competent Bodies:

- *Polyester-categorised PLA (Polylactic acid) products are not included in the current version of the EU Ecolabel for Textile Products.*

- **Sub-Criterion 7(a)** Level of antimony
- **Sub-Criterion 7(b)** Minimum recycled content

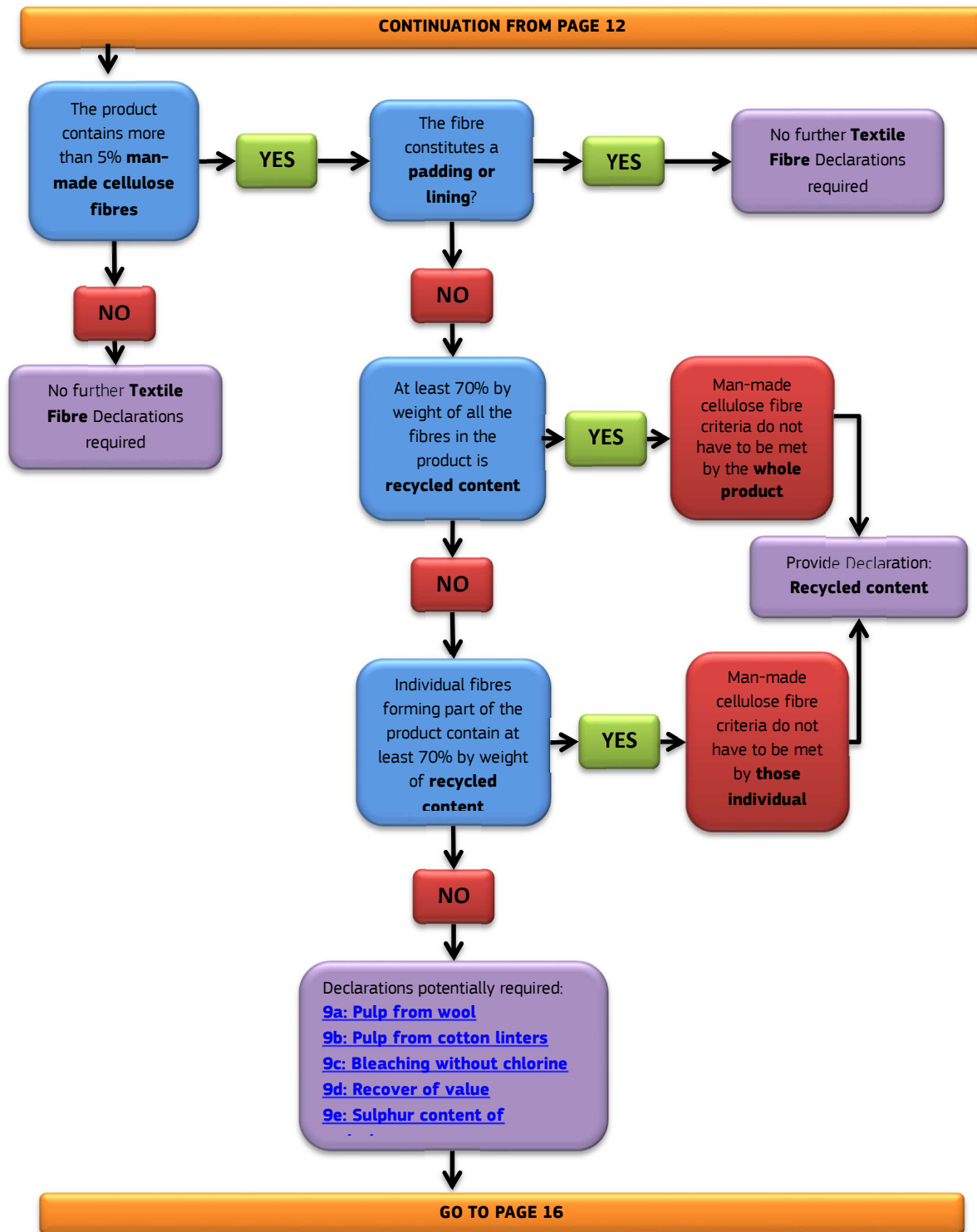
i Clarification of key points of Sub-Criterion 7(b):

- *Depending on their source, recycled polyester fibres can contain hazardous substances restricted by other criteria. Where required by Criterion 13, declarations and laboratory testing results shall be provided by fibre manufacturers and feedstock suppliers*

- **Sub-Criterion 7(c)** Emissions of VOCs

Criterion 8: Polypropylene

- **Sub-Criterion 8(a)** Non-use of lead-based pigments



Criterion 9: Man-made cellulose fibres (including viscose, modal and lyocell)

Pulp production

For the pulp production of man-made cellulose fibres, the following sub-Criteria shall be met:

- **Sub-Criterion 9(a)** Pulp manufactured from wood

❗ Clarification of key points of Sub-Criterion 9(a):

- An introduction to the FAO's principles of sustainable forestry management is available [here](#).

- **Sub-Criterion 9(b)** Pulp produced from cotton linters

❗ Clarification of key points of Sub-Criterion 9(b):

- See [Sub-Criteria 1\(a\) and 1\(b\)](#) for further information and clarifications.

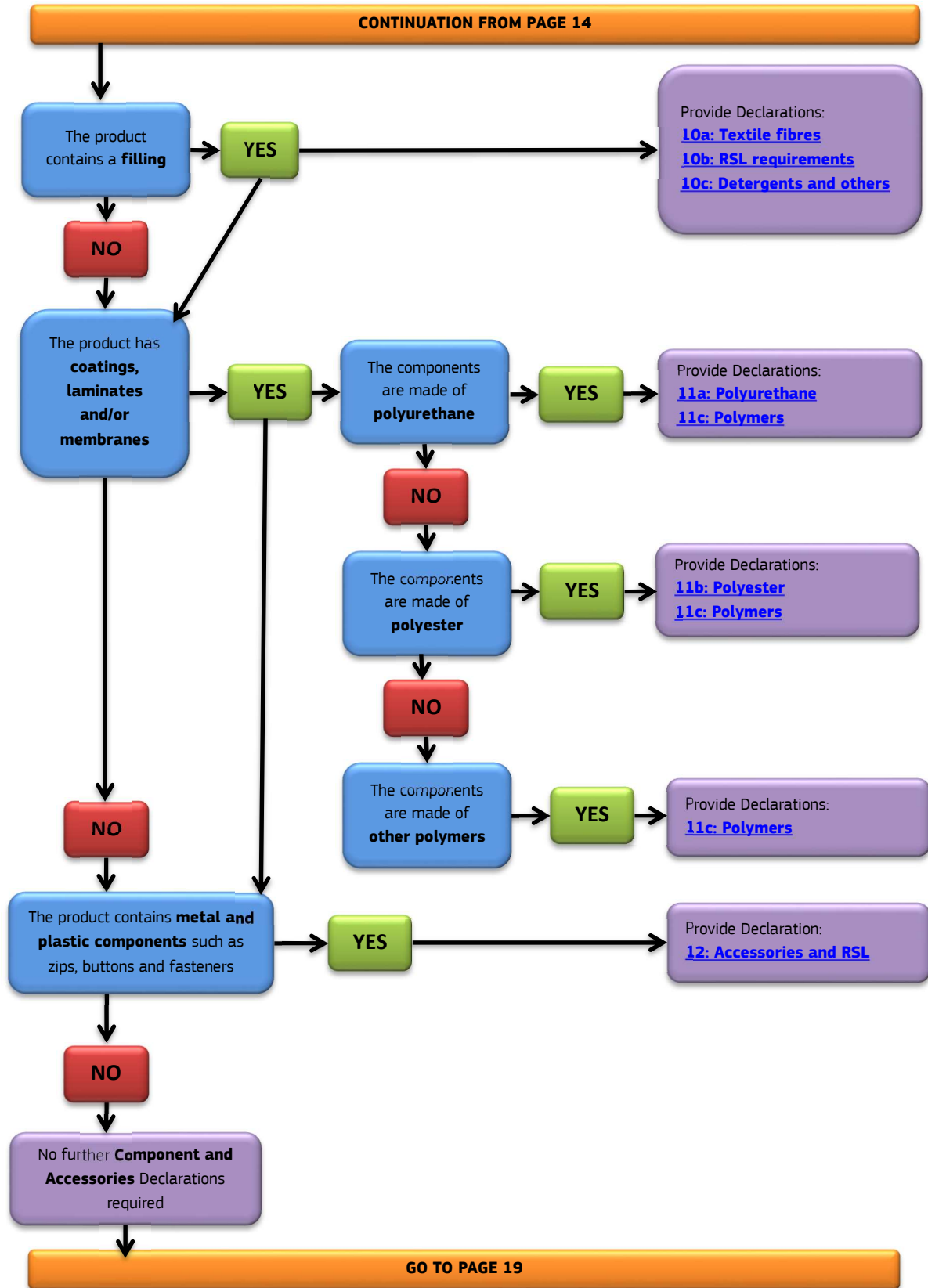
- **Sub-Criterion 9(c)** Pulp bleaching without elemental chlorine
- **Sub-Criterion 9(d)** Pulp from dissolving mills that recover value from their spent process liquors

Fibre production sub-Criteria

- **Sub-Criterion 9(e)** Sulphur content in the emissions to air from viscose and modal fibre production processes

2. COMPONENT AND ACCESSORIES CRITERIA

The Criteria in this section apply to components and accessories that form part of the final product.



Criterion 10: Fillings

- **Sub-Criterion 10(a)** Compliance with Textile Fibre Criteria

❗ Clarification of key points of Sub-Criterion 10(a):

- See the [Textile Fibre Criteria](#) for further information and clarifications.

- **Sub-Criterion 10(b)** RSL requirements for biocides and formaldehyde ([Appendix 1](#)).
- **Sub-Criterion 10(c)** Detergents and other chemicals used for the washing of fillings ([Appendix 1](#)).

❗ Clarification of key points of Sub-Criterion 10(c):

- The “detergents” are referred to as “surfactants” in the [declaration](#).

Criterion 11: Coatings, laminates and membranes

- **Sub-Criterion 11(a)** Components made of polyurethane

❗ Clarification of key points of Sub-Criterion 11(a):

- DMAC. is an abbreviation of N, N-dimethylacetamide (CAS No. 127-19-5)
- See [Criterion 5](#) relating to elastane for further information and clarifications.

- **Sub-Criterion 11(b)** Components made of polyester

❗ Clarification of key points of Sub-Criterion 11(b):

- See [Criterion 7](#) relating to polyester for further information and clarifications.

- **Sub-Criterion 11(c)** Polymers

Criterion 12: Accessories

❗ Clarification of key points of Criterion 12:

- Accessories such as buttons and zips may contain elements, such as nickel, which can be allergens.
- The intention of this criterion is not to award the specific accessories with the EU Ecolabel, but to state that they are allowed to be used within the final textile product.

3. CHEMICALS AND PROCESS CRITERIA

The Criteria in this section apply, where specified, to the following production stages:

- | | |
|-----------------------|---------------------|
| (i) Spinning | (v) Printing |
| (ii) Fabric formation | (vi) Finishing |
| (iii) Pre-treatment | (vii) Cut/make/trim |
| (iv) Dyeing | |

Criterion 13: Restricted Substance List (RSL)

The guidance on which declaration must be used for the verification of this criterion can be found in [Appendix 4](#) of this User Manual.

- **Sub-Criterion 13(a)** General requirements

The final product and the production recipes used to manufacture the final product shall not contain the hazardous substances listed in the [Restricted Substance List \(RSL\)](#) at or above the limit values or according to the specified restrictions.

i Clarification of key points of Sub-Criterion 13(a):

- *The RSL, limit values and specified restrictions can be found in Appendix 1 of [Commission Decision 2014/350/EU](#). The RSL has been amended by [Commission Decision 2017/1392](#).*
- *In order to facilitate the consultation of the RSL to the applicant, a unified text can be found in [Appendix 1](#) of this User Manual. Please note that the text included in this appendix has no legal value. Please refer to the texts published in the latest legal version of the corresponding Commission Decision(s).*
- *The restrictions in the RSL take precedence over the derogations listed in [Criterion 14](#).*

- **Sub-Criterion 13(b)** Substances of Very High Concern (SVHC's)

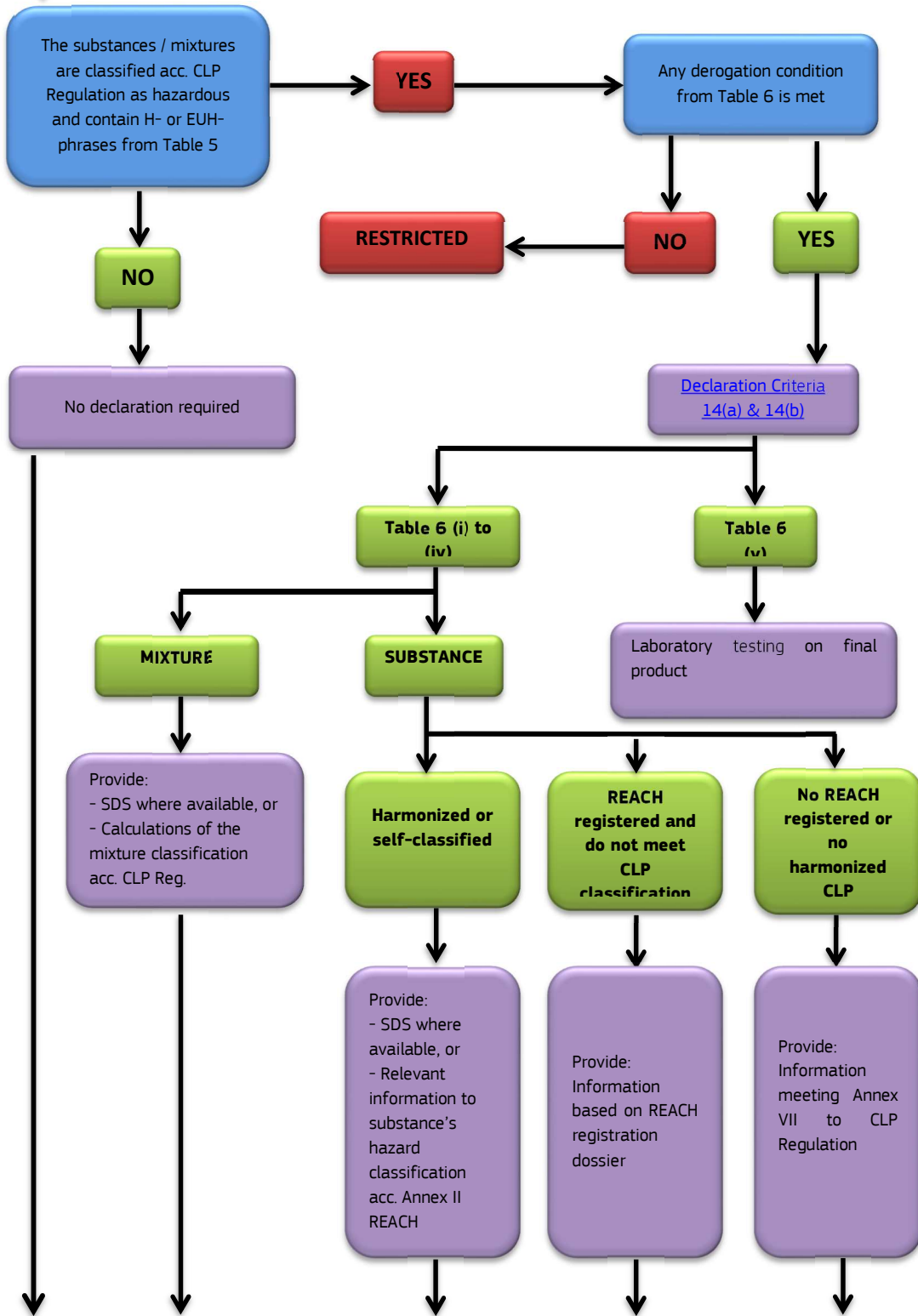
The final product including any component or accessory shall not, unless specifically derogated, contain substances that fulfil the following conditions:

- They meet the Criteria in Article 57 of [Regulation \(EC\) No 1907/2006](#),
- They have been identified according to the procedure described in Article 59(1) of [Regulation \(EC\) No 1907/2006](#), which establishes the candidate list for substances of very high concern.

i Clarification of key points of Sub-Criterion 13(b):

- *Substances and mixtures used at each production stage shall be screened against the latest version of the candidate list published by European Chemicals Agency ([ECHA](#)).*

CONTINUATION FROM PAGE 16



GO TO PAGE 22

Criterion 14: Substitution of hazardous substances and mixtures used in dyeing, printing and finishing

Substances and mixtures applied to fabrics and knitted panels during dyeing, printing and finishing processes, **which remain on the final product** and, in accordance with [Regulation \(EC\) No 1272/2008](#) of the European Parliament and of the Council⁴ or Council [Directive 67/548/EC](#)⁵, meet the Criteria for classification with the hazard classes or risk phrases listed in [Commission Decision 2014/350/EU](#) shall **not** be used unless they have been specifically derogated. These restrictions shall also apply to functional substances incorporated into synthetic fibres and man-made cellulosic fibres during their manufacturing.

- **Sub-Criterion 14(a)** Hazard classification restrictions

❗ Clarification of key points of Sub-Criterion 14(a):

- *Restricted hazard classifications and risk phrases can be found in Table 5 of [Commission Decision 2014/350/EU](#).*

- **Sub-Criterion 14(b)** Derogations that apply to textile substance groups

In accordance with Article 6(7) of [Regulation \(EC\) No 66/2010](#), there are substance groups specifically derogated from the requirements set out in [Sub-Criterion 14\(a\)](#).

❗ Clarification of key points of Sub-Criterion 14(b):

- *Substance groups specifically derogated and derogation conditions can be found Table 6 of [Commission Decision 2014/350/EU](#) together with [the Amendments](#).*

Criterion 15: Washing, drying and curing energy efficiency

The applicant shall demonstrate that:

- The energy used in washing, drying and curing steps associated with dyeing, printing and finishing steps for EU Ecolabelled products is measured and benchmarked as part of an energy or carbon dioxide emissions management system.
- Production sites have implemented a minimum number of Best Available Techniques (BAT) energy efficiency techniques specified.

The declaration to verify the fulfilment of this criterion can be found [here](#).

❗ Clarification of key points of Criterion 15:

- *BAT Techniques and specification depending on production volume can be found in [Appendix 3](#) of this document and Table 7 of [Commission Decision 2014/350/EU](#).*

⁴ Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1).

⁵ Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (OJ 196, 16.8.1967, p. 1).

Criterion 16: Treatment of emissions to air and water

- **Sub-Criterion 16(a)** Wastewater discharges from wet processing

Wastewater discharges to the environment shall not exceed 20 g COD/kg textiles processed. The requirement shall apply to weaving, dyeing, printing and finishing processes used to manufacture the product(s). Wastewater discharges shall also meet the specific requirements regarding pH, temperature and colour removal ([see Commission Decision 2014/350/EU](#))

The declaration to verify the fulfilment of this sub-criterion can be found [here](#).

❗ Clarification of key points of Sub-Criterion 16(a):

- See [Criterion 3](#) for an example on COD wastewater calculation

- **Sub-Criterion 16(b)** Emissions to air from printing and finishing processes

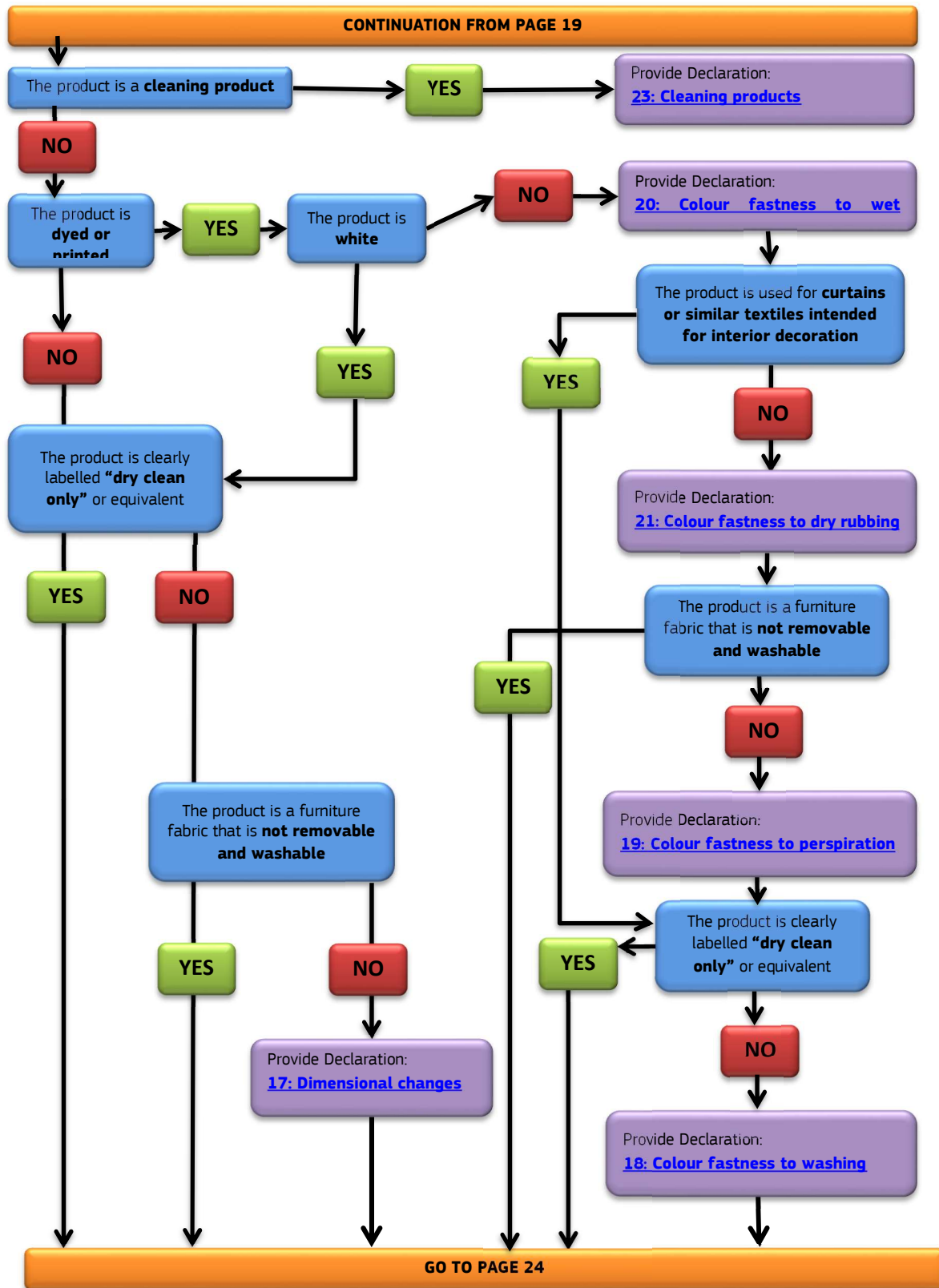
The declaration to verify the fulfilment of this sub-criterion can be found [here](#).

❗ Clarification of key points of Sub-Criterion 16(b):

- As defined in [Council Directive 1999/13/EC](#)

4. FITNESS FOR USE CRITERIA

The criteria in this section apply to intermediate fabric and knitted product and to the final product.



Criterion 17: Dimensional changes during washing and drying

❗ Clarification of key points of Criterion 17:

- *Please note that EN 25077:1996 has been superseded by EN 5077:2008.*

Criterion 18: Colour fastness to washing

No clarification is necessary for this criterion.

Criterion 19: Colour fastness to perspiration (acid, alkaline)

No clarification is necessary for this criterion.

Criterion 20: Colour fastness to wet rubbing

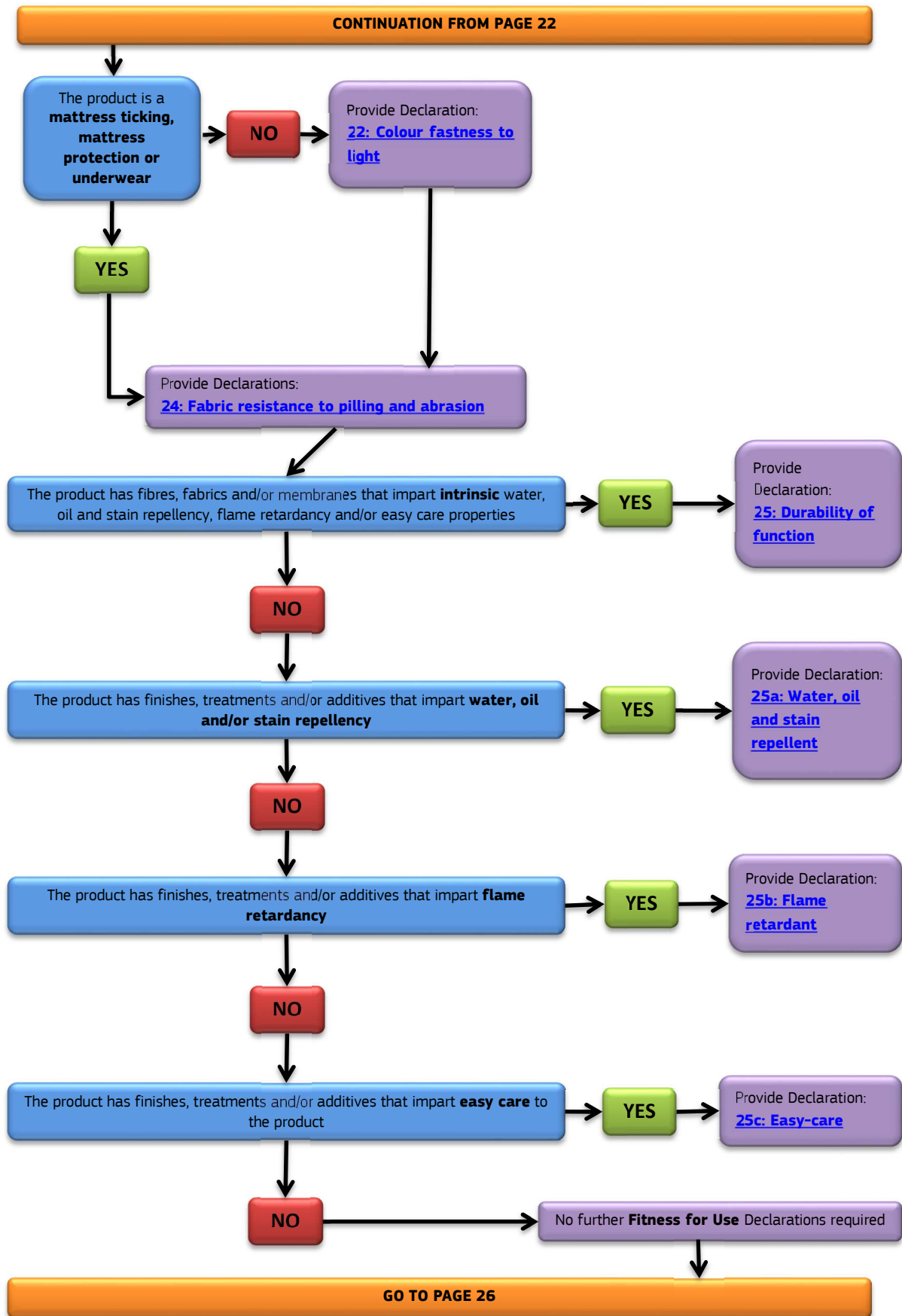
❗ Clarification of key points of Criterion 20:

- *Amendments to the criterion from 2017: The colour fastness to wet rubbing shall be at least level 2-3. A level of 2 is allowed for dark coloured denim and a level of 1 for all other denim colour shades.*

Criterion 21: Colour fastness to dry rubbing

❗ Clarification of key points of Criterion 21:

- *Amendments to the criterion from 2017: The colour fastness to dry rubbing shall be at least level 4. A level of 3-4 is allowed for dark coloured denim and a level of 2-3 for all other denim colour shades.*



Criterion 22: Colour fastness to light

No clarification is necessary for this criterion.

Criterion 23: Wash resistance and absorbency of cleaning products

No clarification is necessary for this criterion.

Criterion 24: Fabric resistance to pilling and abrasion

No clarification is necessary for this criterion.

Criterion 25: Durability of function

- **Sub-Criterion 25(a)** Water, oil and stain repellent functions

❗ Clarification of key points of sub-Criterion 25(a):

- The sentence “functionality of XX out of YY” means “functionality of YY before washing and functionality of XX after washing”.
- For water repellence, the criterion text makes reference to the ratings used in AATCC 22, which are from 0 to 100. However, ISO 4920 uses a rating system from 0 to 5. See the equivalency in the following table:

| | | | | | | |
|----------|---|----|----|----|----|-----|
| AATCC 22 | 0 | 50 | 70 | 80 | 90 | 100 |
| ISO 4920 | 0 | 1 | 2 | 3 | 4 | 5 |

- For oil repellence, the rating systems of AATCC 118 and ISO 14419 are the same, from 0 to 8.
- For stain repellence, the rating systems of AATCC 193 and ISO 23232 are the same, from 0 to 8.

- **Sub-Criterion 25(b)** Flame retardant functions

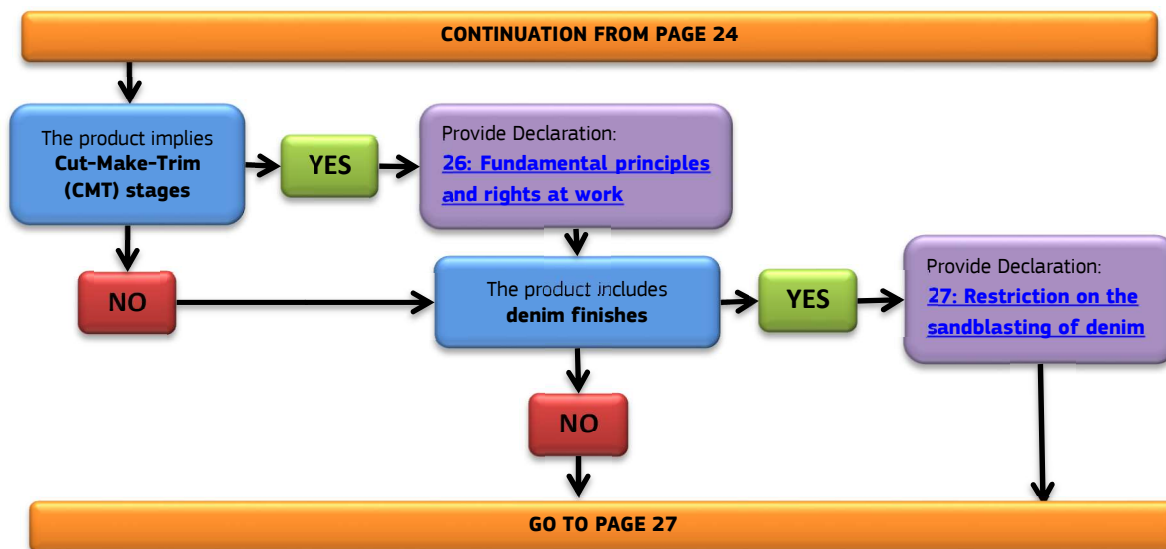
❗ Clarification of key points of sub-Criterion 25(b):

- Non-washable products include dry cleanable fabrics and other non-removable products.
- Equivalent to BS 5651 means other relevant national standards.

- **Sub-Criterion 25(c)** Easy-care (also referred to as non-crease or permanent press)

5. CORPORATE SOCIAL RESPONSIBILITY CRITERIA

Criteria 26 and 27 address labour conditions and human rights at work.



Criterion 26: Fundamental principles and rights at work

i Clarification of key points of Criterion 26:

- *Amendments from 2017: In countries where ILO Labour Inspection Convention, 1947 (No 81) has been ratified and ILO supervision indicates that the national labour inspection system is effective, and the scope of the inspection system covers the areas listed above (*), verification by labour inspector(s) appointed by a public authority shall be accepted.*

(* See [ILO NORMLEX](#) and supporting guidance in the User Manual.

Criterion 27: Restriction on the sandblasting of denim

No clarification is necessary for this criterion.

6. SUPPORTING INFORMATION

Criterion 28: Information appearing on the EU Ecolabel

The declaration for this criterion can be found [here](#).

❗ Clarification of key points of Criterion 28:

- *See the Commission Decision 2017/1392/EU in reference to the amendment on the text that may be displayed for Cotton fibres.*
- *The declaration can be made for each fibre used in the product e.g. if a garment has a blend of 50% cotton and 50% polyester, and 60% of the polyester is recycled, then the text would read 'Made with 60% recycled polyester'.*

Part C: Application form



Please contact your Competent Body to learn how your completed application form should be submitted.



Applicants should also provide a technical dossier of laboratory test reports and send this in duplicate to the Competent Body and keep an up-to-date file on their premises showing continuing compliance with the criteria. Equivalent test methods, others than the ones indicated by the formal Commission Decision may be used provided the test methods have been approved by the awarding Competent Body.

| Applicant information | |
|--|---|
| Applicant 's full company name: | |
| Company address (full address including road/avenue/street, number, postal code, country, etc.): | |
| Contact Person: | |
| Position: | |
| Phone: | |
| Fax: | |
| Email: | |
| Website: | |
| VAT number or equivalent, if relevant: | |
| If relevant, existing license number (XX/YYYY): | |
| In what capacity are you applying for the EU Ecolabel (tick as appropriate) | <input type="checkbox"/> Manufacturer <input type="checkbox"/> Importer <input type="checkbox"/> Service provider <input type="checkbox"/> Wholesaler <input type="checkbox"/> Retailer |
| Product information | |
| Product group | |
| Designation and specification of the product(s), including registered name(s): | |
| Name and address of manufacturing site(s) (if different from above): | |
| In case the product is made outside the European Economic Area market (European Union plus Iceland, Lichtenstein and Norway), please confirm the country where it has been or will be placed on the market | |
| Please state other EU countries in which this product is sold <u>in the same form</u> (if sold under different names, please state names to be registered) | |
| Information on the applicant | |

| | | |
|--|-----|----|
| Is this the first application for the EU Ecolabel for the product(s) specified above? | Yes | No |
| If no, please state when and where the first application was made, and with what outcome: | | |
| Is this an application to add a new product (i.e. with technical characteristics not covered by an existing Ecolabel that you hold) to a licence for a product range already covered by an Ecolabel? (if so, please give details of the existing Ecolabel): Details: | Yes | No |
| Please indicate if an application for the same product has been successful under other environment label schemes (e.g. the Nordic Ecolabel or Blue Angel): | Yes | No |

Application fee



An invoice will be sent when the application and the attached declarations are received. Before the application can be processed, the applicant must pay the application fee relevant for the company. Please refer to the section for fees.

This declaration is to be used so that the Competent Body can set the appropriate application and annual licence fees for the EU Ecolabel of Regulation (EC) No 66/2010 of The European Parliament and of The Council of 25 November 2009 on the EU Ecolabel appendix III.

All questions below have to be answered before handling of the application can begin.

| Declaration: type of company (to be completed by the applicant) | | |
|---|-----|----|
| Is the company a micro sized company as defined in the Commission's Recommendation 2003/361/EC - i.e. under 10 employees and an annual turnover or total annual balance not exceeding 2 mill. Euro? | Yes | No |
| Is the company a small or medium sized company as defined in the Commission's Recommendation 2003/361/EC - i.e. under 250 employees and an annual turnover not exceeding 50 mill. Euro or total annual balance not exceeding 43 mill. Euro? | Yes | No |
| Is the company situated in a developing country (as defined in the OECD's Development Assistance Committee's list of countries receiving development aid)? | Yes | No |
| Is the company registered under EMAS and/or certified under ISO 14001 and has the company in its environmental policy, committed to maintain compliance of its ecolabel products with the EU Ecolabel product group criteria throughout the contract's period of validity? ⁶ | Yes | No |
| Company name (in CAPITALS) and stamp: | | |
| Responsible person's signature and position held | | |
| Date: | | |

⁶ If confirmed the company must send a copy of the annual affirmative environmental statement (EMAS) or valid ISO 14001 certificate and copy of the companies environmental policy and objectives (ISO 14001) in connection with the application and information on the annual turnover.

**Applicant's undertaking:
(to be completed by the applicant)**

As the applicant for an EU Ecolabel, I hereby declare that:

I understand and accept the provisions of Regulation EC No. 66 / 2010 on the EU Ecolabel scheme, and in particular Article 6, paragraph 6, which states that the EU Ecolabel may not be awarded to goods containing substances or preparations/mixtures meeting the criteria for classification as toxic, hazardous to the environment, carcinogenic, mutagenic or toxic for reproduction (CMR), in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures [11], nor to goods containing substances referred to in Article 57 of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency. (Note that article 7 enables the Commission to adopt measures to grant derogations from paragraph 6 under certain conditions);

I also declare that the product(s) that are the subject of this application for the award of the EU Ecolabel comply with the criteria set out in Commission Decision of 5th June 2014 (2014/350/EU), which were amended in Commission Decision of 25th July 2017 (2017/1392/EU) and will continue to do so.

*I undertake to ensure that the product complies with the EU Ecolabel criteria at all times and to notify [*_____] immediately of any significant modification to it or to the production processes.*

I take responsibility for the correct and proper use of the EU Ecolabel logo.

| | |
|-----------------------------|--|
| <i>Signed:</i> | |
| <i>Name in capitals:</i> | |
| <i>Position in company:</i> | |
| <i>Date:</i> | |
| <i>Company stamp:</i> | |

** Insert name of the Competent Body*

Part D: Declarations

Introduction

This part of the User Manual comprises the declarations that need to be completed to demonstrate compliance with the requirements of the textiles criteria.

An overview of the suppliers and their involvement in each phase of the production of the textile product (supply chain diagram) is also required to help the Competent Body in their assessment of your application. The Competent Body will also require a list of all the suppliers and their contact details. This list of suppliers could be helpful in developing a supply chain diagram of the final product. Please see the templates below.

In this part, a checklist is also provided to help the applicant to verify that all the documentation required for each criterion is sent to the Competent Body. Finally, a summary of all the declarations is provided together with guidance on who should contribute in each declaration.

List of Suppliers

Table 3 Template for suppliers list

| | SUPPLIER A | SUPPLIER B | SUPPLIER C | SUPPLIER D | SUPPLIER E |
|---------------------------|------------|------------|------------|------------|------------|
| Involved in phase: | | | | | |
| Name: | | | | | |
| Company: | | | | | |
| Address: | | | | | |
| Telephone: | | | | | |
| Email: | | | | | |

Supply chain diagram:

The flow diagram shall include all the suppliers that are involved in the supply chain of the textile product. A sample flow diagram is available in **Figure 2**. It can be customized to create your own flow diagram, illustrating the right connections between each agent of the supply chain.

Figure 3 shows an example flow diagram of the supply chain to produce a cotton T-shirt. The first step involves the fibre production, which in this case is the cotton growing at two different locations. The different cotton fibres are mixed and spun together into yarn, which is then used to manufacture the fabric. This fabric is dyed at a dyeing house and it is finally sent to the Cut-Make-Trim factory to produce the final T-shirt.

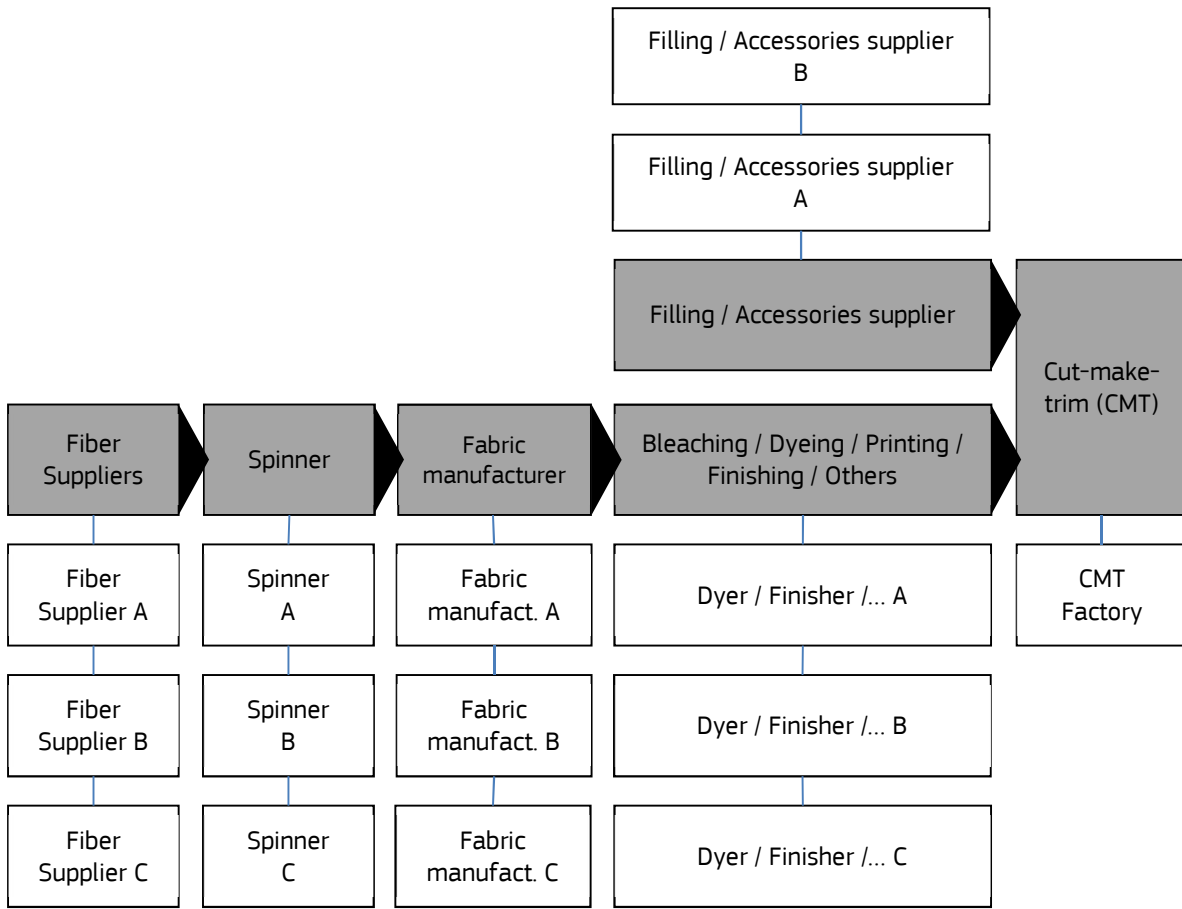


Figure 2. Flow diagram to be customized by the applicant

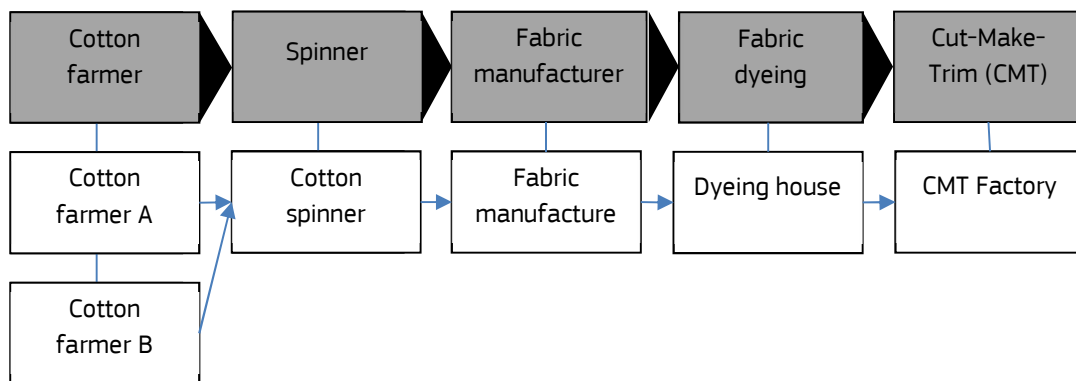








































































Figure 3. Flow diagram example for a cotton T-shirt



Checklist of the documentation needed


















| Applicant's Checklist | | |
|---|-----------------------|----|
| <i>This checklist summarises the documentation to be provided for each criterion and must be completed by the applicant.</i> | | |
| | Does it apply? | |
| | Yes | No |
| Documents to be submitted to the Competent Body: | | |
|  Part C: Application form | | |
| 1. TEXTILE FIBRE CRITERIA | | |
| Documents to be submitted to the Competent Body: | | |
|  Declaration for recycled content | | |
|  Supporting documentation which traces the recycled content. | | |
|  Where required by Criterion 13, declarations and laboratory testing results. | | |
| Criterion 1: Cotton and other natural cellulosic seed fibres | | |
| 1(a) Minimum requirement for organic production standard | | |
| Documents to be submitted to the Competent Body: | | |
|  Declaration for organic cotton production (Sub-Criterion 1a) | | |
|  For conventional and IPM cotton blended with organic cotton: qualitative screening test for common genetic modifications. | | |
| 1(b) Cotton production according to IPM principles | | |
| Documents to be submitted to the Competent Body: | | |
|  Declaration for IPM cotton production (Sub-Criterion 1b) | | |
| 1(c) Pesticide restrictions applying to conventional and IPM cotton | | |
| Documents to be submitted to the Competent Body: | | |
|  Declaration for pesticide restrictions (Sub-Criterion 1c) | | |
|  Test reports for relevant prohibited substances. | | |
| 1(d) Traceability requirements applying to organic and IPM cotton | | |
| Documents to be submitted to the Competent Body: | | |
|  Declaration for traceability requirements (Sub-Criterion 1d) | | |
|  Transaction reports or invoices of the annual volume of cotton or documentation from spinning and/or fabric production stages. | | |
| Criterion 2: Flax and other bast fibres | | |
| 2(a) Retting under ambient conditions | | |
| Documents to be submitted to the Competent Body: | | |
|  Declaration for flax and other bast fibres (Sub-Criterion 2a) | | |
|  Declaration of the retting method used. | | |
| 2(b) Treatment of wastewater from water retting | | |
| Documents to be submitted to the Competent Body: | | |
|  Declaration for flax and other bast fibres (Sub-Criterion 2b) | | |
|  Laboratory test reports. | | |




















| Criterion 3: Wool and other keratin fibres | | |
|---|-----|----|
| 3(a) Ectoparasiticide restrictions for wool | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for wool and other keratin fibres (Sub-Criterion 3a) | | |
|  Evidence confirming scouring plant configuration. | | |
|  Laboratory test reports (IWTO draft test method 59) | | |
| 3(b) COD of the final effluent from wool scouring | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for wool and other keratin fibres (Sub-Criterion 3b) | | |
|  Laboratory test reports (ISO 6060) | | |
| 3(c) Measures implemented by wool scourers | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for wool and other keratin fibres (Sub-Criterion 3c) | | |
|  Report of the type and proportion of waste recovered, and the method used. | | |
|  Waste transfer notes. | | |
| Criterion 4: Acrylic | | |
| 4(a) Emissions to air of acrylonitrile | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for acrylic (Sub-Criterion 4(a)) | | |
|  Supporting documentation and/or test reports. | | |
| 4(b) Emissions to air of N,N-dimethylacetamide | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for acrylic (Sub-Criterion 4b) | | |
|  Test reports and monitoring data | | |
| Criterion 5: Elastane | | |
| 5(a) Non-use of organotin compounds | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for elastane (Sub-Criterion 5a) | | |
| 5(b) Workplace emissions to air | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for elastane (Sub-Criterion 5b) | | |
|  Test reports and monitoring data | | |
| Criterion 6: Polyamide (or nylon) | | |
| 6(a) Production standard 1: Minimum recycled content | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for polyamide - recycled content (Sub-Criterion 6a) | | |
|  Independent certification of the chain of custody or documentation from suppliers and processors, for the traceability. | | |
| 6(b) Production standard 2: N₂O emissions from monomer production | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for polyamide - N₂O emissions (Sub-Criterion 6b) | | |
|  Documentation or test reports based on monitoring data. | | |
|  Declaration from fibre manufacturer(s) and their feedstock providers. | | |

| Criterion 7: Polyester | | |
|---|-----|----|
| 7(a) Level of antimony | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for Polyester (Sub-Criterion 7a) | | |
|  Test report using the methods specified. | | |
| 7(b) Minimum recycled content | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for Polyester (Sub-Criterion 7b) | | |
|  Independent certification of the chain of custody or documentation from by suppliers and processors. | | |
| 7(c) Emissions of VOCs | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for Polyester (Sub-Criterion 7c) | | |
|  Test results for PET chips and polyester fibres | | |
| Criterion 8: Polypropylene | | |
| 8(a) Polypropylene | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for Polypropylene (Sub-Criterion 8a) | | |
| Criterion 9: Man-made cellulose fibres (including viscose, modal and lyocell) | | |
| 9(a) Pulp manufactured from wood | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for pulp production (Sub-Criterion 9a) | | |
|  Independent chain of custody certificates demonstrating that the wood fibres have been grown according to sustainable forestry management principles and/or are from legal sources. | | |
|  As evidence of legal timber sourcing: valid licences from ONE or more of the specified organisations. | | |
| 9(b) Pulp produced from cotton linters | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for pulp production (Sub-Criterion 9b) | | |
|  Documentary evidence as indicated in the corresponding sub-criteria. | | |
| 9(c) Bleaching without elementary chlorine | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for pulp production (Sub-Criterion 9c) | | |
|  Test results for finished fibres (OX) and wastewater from pulp manufacturing (AOX) using the test methods specified. | | |
| 9(d) Recover of value from the spent process liquor | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for pulp production (Sub-Criterion 9d) | | |
|  Documentation and evidence that the required proportion of suppliers have the appropriate energy generating equipment and/or co-product recovery and manufacturing systems installed at related production sites. | | |
| 9(e) Sulphur content of the emissions | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for fibre production (Sub-Criterion 9e) | | |

| | | |
|---|-----|----|
|  Detailed documentation and/or test reports. | | |
| 2. COMPONENT AND ACCESSORIES CRITERIA | | |
| Criterion 10: Fillings | | |
| 10(a), 10(b), 10(c) Fillings | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for fillings (Sub-Criteria 10a, b & c) | | |
|  Documentation as indicated in the corresponding criteria. | | |
| Criterion 11: Coatings, laminates and membranes | | |
| 11(a), 11(b) and 11(c) Coatings, laminates and membranes | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for coatings, laminates and membranes (11a, b, & c) | | |
|  Documentation as indicated in the corresponding sub-criteria and/or in RSL. | | |
| Criterion 12: Accessories | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for accessories (Criterion 12) | | |
|  Documentation as indicated in the corresponding criterion. | | |
| 3. CHEMICALS AND PROCESS CRITERIA | | |
| Criterion 13: Restricted Substance List (RSL) | | |
| 13(a) General requirements | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for RSL - General requirements (Sub-Criterion 13a) | | |
|  Declarations for substances and production recipes used to manufacture the final product from those responsible for related production stages. | | |
|  Safety data sheets (SDS) for production recipes. | | |
|  Declarations from chemical suppliers (where necessary). | | |
|  Test results from laboratory analysis of samples of the final product. | | |
| 13(b) Substances of Very High Concern (SVHC) | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for RSL - SVHCs (Sub-Criterion 13b) | | |
|  Declarations from each production stage and screening documentation. | | |
|  Where a derogation has been granted, show that use of the substance is in compliance with the concentration limits and derogation conditions (RSL). | | |
| Criterion 14: Substitution of hazardous substances and mixt. used in dyeing, printing and finishing | | |
| 14(a) Hazard classification restrictions & 14(b) Derogations that apply to textile substance groups | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for hazard classification restrictions & derogation (14a & b) | | |
|  For each non-derogated substance: declarations from each production site and, where necessary, their chemical suppliers. | | |
|  For mixtures: safety data sheets where available. If these are unavailable, then provide a calculation of the mixture classification. | | |

| | | |
|--|--|--|
|  For each derogated substance: supporting evidence showing how the derogation conditions are met. | | |
|  For Derogation (v) Auxiliaries: verification based on laboratory testing of the final product. | | |

| Criterion 15: Washing, drying and curing energy efficiency | | |
|--|-----|----|
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for washing, drying and curing energy efficiency (Criterion 15) | | |
|  Report from energy management systems for each production site. | | |
| Criterion 16: Treatment of emissions to air and water | | |
| 16(a) Wastewater discharges from wet processing | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for wastewater discharges processing (Sub-Criterion 16a) | | |
|  Detailed documentation and test reports, based on monthly averages for the six months preceding the application. | | |
| 16(b) Emissions to air from printing and finishing processes | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for emissions to air (Sub-Criterion 16b) | | |
|  Monitoring data to evidence recovery and reuse of solvents. | | |
| 4. FITNESS FOR USE CRITERIA | | |
| Criterion 17: Dimensional changes during washing and drying | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for dimensional changes (Criterion 17) | | |
|  Test reports using the standards appropriate for the product | | |
| Criterion 18: Colour fastness to washing | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for colour fastness to washing (Criterion 18) | | |
|  Test results using the standards appropriate for the product | | |
| Criterion 19: Colour fastness to perspiration (acid, alkaline) | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for colour fastness to perspiration (Criterion 19) | | |
|  Test reports (ISO 105 E04) | | |
| Criterion 20: Colour fastness to wet rubbing | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for colour fastness to wet rubbing (Criterion 20) | | |
|  Test reports (ISO 105 X12) | | |
| Criterion 21: Colour fastness to dry rubbing | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for colour fastness to dry rubbing (Criterion 21) | | |
|  Test reports (ISO 105 X12) | | |
| Criterion 22: Colour fastness to light | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for colour fastness to light (Criterion 22) | | |

| | | |
|---|-----|----|
|  Test reports (ISO 105 B02) | | |
| Criterion 23: Wash resistance and absorbency of cleaning products | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for cleaning products (Criterion 23) | | |
|  Test reports (EN ISO 6630 and EN ISO 9073-6). | | |
| Criterion 24: Fabric resistance to pilling and abrasion | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for fabric resistance to pilling and abrasion (Criterion 24) | | |
|  Test report according to the type of product | | |
| Criterion 25: Durability of function | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for durability of function (Criterion 25) | | |
|  For products with intrinsic properties: test reports demonstrating comparable or improved performance compared with alternatives that may be applied as finishes. | | |
| 25(a) Water, oil and stain repellent functions | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for water, oil and stain repellent functions (Sub-Criterion 25a) | | |
|  Test reports according to the product functionality. | | |
| 25(b) Flame retardant functions | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for flame retardant functions (Sub-Criterion 25b) | | |
|  Test reports according to the washing process. | | |
| 25(c) Easy care (also referred to as non-crease or permanent press) | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for easy-care (Sub-Criterion 25c) | | |
|  Test reports (ISO 7768) | | |
| 5. CORPORATE SOCIAL RESPONSIBILITY CRITERIA | | |
| Criterion 26: Fundamental principles and rights at work | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for fundamental principles and rights at work (Criterion 26) | | |
|  Demonstrate third party verification of compliance. | | |
| Criterion 27: Restriction on the sandblasting of denim | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for restriction on the sandblasting of denim (Criterion 27) | | |
|  Details of all production sites used to produce EU Ecolabelled denim products with documentary and photographic evidence. | | |
| 6. SUPPORTING INFORMATION | | |
| Criterion 28: Information appearing on the EU Ecolabel | | |
| Documents to be submitted to the Competent Body: | Yes | No |
|  Declaration for information appearing on the EU Ecolabel (Criterion 28) | | |
|  Sample of the product packaging showing the label. | | |

Summary of declarations:

The flow charts available at PART B will help you (the applicant) to determine which declarations are relevant for your product. In this section, a summary of the declaration is provided, indicating which agents of the supply chain may need to provide information (x) and which agent of the supply chain may need to complete the declaration (X). Please click to view and/or print.

| Declaration | Supply chain agent | | | | | | | |
|---|--------------------|---------|---------------------|-------------------------------------|-------------------------------------|------------------------|--------------------|---------------|
| | Fibre supplier | Spinner | Fabric manufacturer | Dyeing, Printing, Finishing, Others | Components and accessories supplier | Retailer and making up | Chemicals supplier | Final product |
| Recycled content | X | | | | | | | X |
| Organic cotton (1a) | X | | | | | | | X |
| IPM cotton production (1b) | X | | | | | | | X |
| Pesticide restrictions (1c) | X | | | | | | | X |
| Traceability (1d) | X | X | X | | | | | X |
| Retting method (2a) | X | | | | | | | X |
| Wastewater (2b) | X | | | | | | | X |
| Ectoparasiticide (3a) | X | | | | | | | X |
| COD scouring (3b) | X | | | | | | | X |
| Recover value (3c) | X | | | | | | | X |
| Acrylonitrile (4a) | X | | | | | | | X |
| DMAc. (4b) | X | | | | | | | X |
| Organotin compounds (5a) | X | | | | | | | X |
| Workplace emissions (5b) | X | | | | | | | X |
| Recycled content (6a) | X | | | | | | | X |
| N2O emissions (6b) | X | | | | | | | X |
| Level of antimony (7a) | X | | | | | | | X |
| Recycled content (7b) | X | | | | | | | X |
| Emissions VOCs (7c) | X | | | | | | | X |
| Lead-based pigments (8a) | X | | | | | | | X |
| Pulp from wood (9a) | X | | | | | | | X |
| Pulp from cotton (9b) | X | | | | | | | X |
| Bleaching without Cl (9c) | X | | | | | | | X |
| Recover of value (9d) | X | | | | | | | X |
| Sulphur emissions (9e) | X | | | | | | | X |
| Fillings (10a, b & c) | X | | | | X | | | X |
| Coatings, laminates and membranes (11a, b, & c) | | | | | X | | | X |
| Accessories (12) | | | | | X | | | X |
| RSL - General (13a) | X | X | X | X | X | X | | X |
| RSL - SVHCs (13b) | X | X | X | X | X | X | | X |
| Hazard classification restrictions & derogation (14a & b) | | | | X | | | | X |
| Washing, drying and curing energy efficiency (15) | | | | X | | | | X |
| Wastewater discharges processing (16a) | | | X | X | | | | X |




| Supply chain agent Declaration | Fibre supplier | Spinner | Fabric manufacturer | Dyeing, Printing, Finishing, Others | Components and accessories supplier | Retailer and making up | Chemicals supplier | Final product |
|---|----------------|---------|---------------------|-------------------------------------|-------------------------------------|------------------------|--------------------|---------------|
| Emissions to air (16b) | | | | x | | | | X |
| Dimensional changes (17) | | | x | | | | | X |
| Colour fastness to washing (18) | | | x | | | | | X |
| Colour fastness to perspiration (19) | | | x | | | | | X |
| Colour fastness to wet rubbing (20) | | | x | | | | | X |
| Colour fastness to dry rubbing (21) | | | x | | | | | X |
| Colour fastness to light (22) | | | x | | | | | X |
| Cleaning products (23) | | | x | | | | | X |
| Pilling and abrasion (24) | | | x | | | | | X |
| Durability of function (25) | | | x | | | | | X |
| Water, oil and stain repellent (25a) | | | x | | | | | X |
| Flame retardant (25b) | | | x | | | | | X |
| Easy-care (25c) | | | x | | | | | X |
| Fundamental principles and rights at work (26) | | | | | | x | | X |
| Sandblasting of denim (27) | | | | | | x | | X |
| Information on the EU Ecolabel (28) | | | | | | | | X |
| APPENDIX 1 - RSL DECLARATIONS: | | | | | | | | |
| Fibre and yarn spinning and weaving (App.1(a)) | x | x | x | | | | X | |
| Bleaching (App.1(b)) | X | X | X | | | X | | |
| Dye houses (App.1(c)) | | | | X | | | | |
| Dye houses - Azo dyes (App.1(c) (ii)) | | | | X | | | | |
| Printing processes (App.1(d)) | | | | X | | | | |
| Biocide finishes (App.1(e) (i)) | | | | X | | | | |
| Anti-felting and shrink resistance (App.1(e)(ii)) | | | | X | | | | |
| Water, stain & oil repellent (App.1(e)(iii)) | | | | X | | | | |
| Flame retardants (App.1(e)(iv)) | | | | X | | | | |
| SVHC's (App.1(f)(i)) | X | X | X | X | X | X | | |
| Surfactants, softeners and complexing agents (App.1(f)(ii & iii)) | | | | | | | X | |
| Auxiliaries used in preparations and formulations (App.1(f)(iv)) | | | | | | | X | X |
| Candidate List SVHC's that are derogated (App.1(g)(i)) | | | | | | | | X |
| Formaldehyde residues (App.1(g)(ii)) | | | | | | | | X |
| Biocides - transportation & storage (App.1(g)(iii)) | | | | | | | | X |
| Extractable metals - babies (App.1(g)(iv)) | | | | | | | | X |
| Extractable metals - other products (App.1(g)(iv)) | | | | | | | | X |
| Coatings, laminates and membranes (App.1(g)(v)) | | | | | X | | | |
| Accessories (App.1(g)(vi)) | | | | | X | | | |

Declaration: TEXTILE FIBRE CRITERIA: Recycled content

Name of product

I, the undersigned, hereby declare that recycled content of the textile product(s), with the exception of PET bottles used to manufacture polyester, meets the requirements of Criterion 13 RSL. This includes annual, randomised analytical testing for specified substance groups.

Note: Fibres that contain a recycled content are defined as fibres originating from:

-  *pre-consumer waste (including polymer and fibre production waste, cuttings from textile and clothing manufacturers)*
-  *post-consumer waste (textile and all kind of fibre and textile products,*
-  *non-textile waste including PET drinking bottles and fishing nets).*

Provide documentation which traces the recycled content back to the reprocessing of the feedstock. This evidence must be verified by:

- **Feedstock suppliers and reprocessors or**
- **independent third-party certification of the chain of custody**

Where required by Criterion 13, fibre manufacturers and feedstock suppliers must provide declarations and laboratory testing results.

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:



EU ECOLABEL TEXTILE PRODUCTS USER MANUAL

Commission Decision (EU) 2014/350; and Commission Decision (EU) 2017/1392

Declaration: Criterion 1(a) Organic production standard

Name of product

*Note: Cotton and other natural cellulosic seed fibres shall contain a minimum content of **either** organic cotton (sub-Criterion 1(a)) **or** integrated pest management (IPM) cotton (sub-Criterion 1(b)).*

I, the undersigned, hereby declare that:

- *In case an organic cotton claim is made under Criterion 28, all conventional cotton and IPM cotton that is blended with organic cotton come from non-genetically modified varieties.*
- *With the exception of the products listed below, ≥10% of the cotton used in textile product(s) is organic.*
- *≥ 95% of the cotton used in the following products is organic: T-shirts, woman's tops, casual shirts, jeans, pyjamas and nightwear, underwear and socks.*
- *≥ 95% of the cotton used in clothing for babies of less than 3 years old is organic.*

*Please indicate certification of the organic content of the cotton used for **each country of origin**. Verification must be repeated **annually**. (If cotton comes from more than two countries in a single year, please complete an additional form)*

| Country of origin | Year of test | Organic cotton has been grown according to the following production and inspection requirements (Please tick one or more): | | |
|-------------------|--------------|--|-------------------------------|---|
| | | Regulation (EC) No 834/2007 | US National Organic Programme | Equivalent legal obligation (Specify which) |
| (Country 1) | | | | |
| (Country 2) | | | | |

Organic content of clothing for babies of less than 3 years old

| Country of origin | Year of test | Organic cotton has been grown according to the following production and inspection requirements (Tick one or more) | | |
|-------------------|--------------|--|-------------------------------|---|
| | | Regulation (EC) No 834/2007 | US National Organic Programme | Equivalent legal obligation (Specify which) |
| (Country 1) | | | | |
| (Country 2) | | | | |

| | |
|---|--|
| Responsible person's name and signature: | |
| Position: | |
| Date and company stamp: | |

Declaration: Criterion 1(b) Cotton production according to IPM principles

Name of product

*Note: Cotton and other natural cellulosic seed fibres shall contain a minimum content of **either** organic cotton (sub-Criterion 1(a)) **or** integrated pest management (IPM) cotton (sub-Criterion 1(b)).*

I, the undersigned, hereby declare that:

- *Except for the products listed below, ≥20% of the cotton in the textile product(s) is grown according to IPM principles.*
- *≥ 60% of the cotton in the following products is grown according to IPM principles: T-shirts, woman's tops, casual shirts, jeans, pyjamas and nightwear, underwear and socks.*

*Verification shall **either** be provided:*

- *on an annual basis for each country of origin (complete SECTION A). (If cotton comes from more than three countries in a single year, please complete an additional form)*
- or**
- *on the basis of certifications for all IPM cotton purchased to manufacture the product (complete SECTION B).*

SECTION A

| Country of origin for IPM cotton | Year of test | The IPM principles by which the cotton has been grown are verified in the following way (tick one or more): | | |
|----------------------------------|--------------|---|---|--|
| | | Farmers participated in training by UN FAO IPM and ICM programmes | Farmers participated in training by Government IPM and ICM programmes | Farmers audited as part of third party certified IPM schemes |
| (Country 1) | | | | |
| (Country 2) | | | | |

SECTION B

| IPM cotton bale | The IPM principles by which the cotton has been grown are verified in the following way (tick one or more and provide details of IPM scheme): | | |
|-----------------|---|---|--|
| | Farmers participated in training by UN FAO IPM and ICM programmes | Farmers participated in training by Government IPM and ICM programmes | Farmers audited as part of third party certified IPM schemes |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|---|--|
| Responsible person's name and signature: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 1(c) Pesticide restrictions

Name of product

I, the undersigned, hereby declare that:

- All cotton used in textile products, with the exception of organic cotton and cotton from IPM schemes exempted in sub-criterion 1(b) has been grown without using the prohibited substances listed below,
- Cotton does not contain more than 0.5 ppm in total of these substances.

Note: Tests shall be made on samples of raw cotton from each country of origin and before it passes through any wet treatment. (If cotton comes from more than three countries in a single year, please complete an additional form)

For each country of origin testing shall be carried out on the following basis:

- Where only one lot of cotton is used per year a sample shall be taken from a randomly selected bale,
- If two or more lots of cotton are used per year composite samples shall be taken from 5 % of the bales.

Pesticide restrictions

I, the undersigned, hereby declare that (Tick ONE of the following):

- All conventional cotton and IPM cotton complies with the pesticide restrictions in sub-Criterion 1(c) _____
- or**
- The IPM scheme prohibits use of the substances listed in sub-Criterion 1(c) and testing is carried out or declarations of non-use are obtained from farmers and/or farmer producer groups that are verified by site visits carried out by control bodies accredited by either national governments or recognised organic or IPM certification schemes _____

Prohibited substances:

| | | |
|----------------------------|---------------------------|--|
| aldicarb, | cypermethrin, | hexachlorocyclohexane (total isomers), |
| aldrin, | DDT, | methamidophos, methylparathion, |
| campheclor (toxaphene), | dieldrin, | monocrotophos, |
| captafol, | dinoseb and its salts, | neonicotinoids (clothianidine, imidacloprid, thiametoxam), |
| chlordane, | endosulfan, | parathion, |
| 2,4,5-T, | endrin, | pentachlorophenol, |
| chlordimeform, | heptachlor, | |
| | hexachlorobenzene, | |

| Class of prohibited substance | Test method | Country of origin | Number of lots used per year (Tick ONE) | Test result (test report to be attached) |
|---|---------------|-------------------|---|--|
| organo-chlorine pesticides, with ultrasonic or Soxhlet extraction and apolar solvents (iso-octane or hexane) | US EPA 8081 B | (Country 1) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | | (Country 2) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | | (Country 3) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | US EPA 8151 A | | 1: <input type="checkbox"/> | |

Declaration: Sub-Criterion 1(c) Pesticide restrictions

Name of product

| | | | | |
|---|---------------|-------------|---|--|
| chlorinated herbicides, using methanol | | (Country 1) | 2+: <input type="checkbox"/> | |
| | | (Country 2) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | | (Country 3) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| organophosphorus compounds | US EPA 8141 B | (Country 1) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | | (Country 2) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | | (Country 3) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| semi-volatile organic compounds | US EPA 8270 D | (Country 1) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | | (Country 2) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| | | (Country 3) | 1: <input type="checkbox"/> 2+: <input type="checkbox"/> | |
| Responsible person's signature: | | | | |
| Responsible person's name in capitals: | | | | |
| Position: | | | | |
| Date: | | | | |
| Company Stamp: | | | | |

Declaration: Sub-Criterion 1(d) Traceability requirements applying to organic and IPM cotton

Name of product

For organic cotton. I, the undersigned, hereby declare that compliance with the minimum required **organic** content of cotton used in the textile(s) is based on (Tick ONE & complete relevant section below):

- the annual volume of cotton purchased
- the blend of cotton used to manufacture the final product(s)

For IPM cotton. I, the undersigned, hereby declare that compliance with the minimum required **IPM** content of cotton used in the textile(s) is based on (Tick ONE & complete relevant section below):

- the annual volume of cotton purchased
- the blend of cotton used to manufacture the final product(s)

| Production standard | Compliance basis | Traceability requirement |
|---|------------------|--|
| Organic cotton | Annualised | Quantity of cotton purchased from farmers/producer groups: - _____ and/or Total weight of certified bales, up until greige fabric production: _____ <u>Provide transaction records/invoices</u> |
| | Final Product | Quantity of cotton used in the final product: _____ <u>Provide documentation from spinning and/or fabric production stages.</u> (All documentation shall reference the Control Body or certifier for organic cotton) |
| IPM cotton | Annualised | Quantity of cotton purchased from farmers/producer groups: - _____ and/or Total weight of certified bales, up until greige fabric production: _____ <u>Provide transaction records/invoices</u> |
| | Final Product | Quantity of cotton used in the final product: _____ <u>Provide documentation from spinning and/or fabric production stages.</u> (All documentation shall reference the Control Body or certifier for IPM cotton) |
| Responsible person's signature: | | |
| Responsible person's name in capitals: | | |
| Position: | | |
| Date: | | |
| Company Stamp: | | |

Declaration: Sub-Criterion 2(a) Retting under ambient conditions

Name of product

I, the undersigned, hereby declare that flax and other bast fibres used in the textile product(s) have been retted under ambient conditions and without thermal energy inputs.

Provide a declaration of the retting method used from the farmers and/or scutching mills supplying the fibre.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 2(b) Treatment of wastewater from water retting

Name of product

I, the undersigned, hereby declare that where water retting has been used the wastewater from retting ponds has been treated so as to reduce the COD or TOC by at least 75 % for hemp fibres and by at least 95 % for flax and other bast fibres.

Provide test reports (ISO 6060).

| Fibre | Requirement (reduction in COD/TOC) | Test result (test report to be attached) | Test method |
|---|------------------------------------|--|-----------------------|
| Hemp | ≥ 75% | _____ % <i>reduction in COD/TOC</i> | <i>ISO 6060 (COD)</i> |
| Flax/other blast | ≥ 95% | _____ % <i>reduction in COD/TOC</i> | <i>ISO 6060 (COD)</i> |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

Declaration: Sub-Criterion 3(a) Ectoparasiticide restrictions

Name of product

I, the undersigned, hereby declare (Tick ONE):

that the specified sum totals are **not** exceeded for wool ectoparasiticide concentrations on raw wool used in the textile product(s) prior to scouring. (**Complete Section A**)

| Ectoparasiticide groups | Sum total limit value |
|--|-----------------------|
| γ-hexachlorocyclohexane (lindane), α-hexachlorocyclohexane, β-hexachlorocyclohexane, δ-hexachlorocyclohexane, aldrin, dieldrin, endrin, p,p'-DDT, p,p'-DDD | 0.5 ppm |
| Cypermethrin, deltamethrin, fenvalerate, cyhalothrin, flumethrin | 0.5 ppm |
| Diazinon, propetamphos, chlorfenvinphos, dichlofenthion, chlorpyrifos, fenchlorphos | 2 ppm |
| Diflubenzuron, triflumuron, dicyclanil | 2 ppm |

that I have documentary evidence that establishes the identity of the farmers producing at least 75 % of the wool or keratin fibres in question, and independent verification based on site visits that the substances listed above have not been applied to the fields or animals concerned. (**Attach evidence**)

that the wool in the textile product(s) is supplied by wool scourers operating closed loop water systems without the discharge of wastewater effluent. These systems break down the aforementioned ectoparasiticides that may be present in scouring residues and sludge through incineration. The wool scourers comply with at least two of the measures in sub-criterion 3(c). (**Attach evidence confirming the scouring plant configuration & laboratory test reports demonstrating the breakdown of ectoparasiticides in scouring residues and sludge**)

Section A

| Requirement | Test result (test report to be attached) | Test method |
|---|--|---|
| <p>The test should be made on farmer or sales lots of raw wool, by country of origin (if mixed) and before any wet processing.</p> <p>A minimum of one composite sample of multiple farmer or sales lots from each country of origin shall be tested per processing lot.</p> <p>A composite sample should consist of:</p> <p>(i) Wool fibres from at least 10 randomly selected farmer or sales lots (by country of origin), where there are more than 10 sales lots for that country of origin within the processing lot;</p> <p style="text-align: center;">or</p> <p>(ii) One sample per sales lot or farmer lot (whichever is less) supplying the</p> | <p>γ-hexachlorocyclohexane (lindane): _____ ppm</p> <p>α-hexachlorocyclohexane: _____ ppm</p> <p>β-hexachlorocyclohexane δ-hexachlorocyclohexane: _____ ppm</p> <p>aldrin: _____ ppm</p> <p>dieldrin: _____ ppm</p> <p>endrin: _____ ppm</p> <p>p,p'-DDT: _____ ppm</p> <p>p,p'-DDD: _____ ppm</p> <p>cypermethrin: _____ ppm</p> <p>deltamethrin: _____ ppm</p> <p>fenvalerate: _____ ppm</p> <p>cyhalothrin: _____ ppm</p> <p>flumethrin: _____ ppm</p> <p>diazinon: _____ ppm</p> <p>propetamphos: _____ ppm</p> <p>chlorfenvinphos: _____ ppm</p> <p>dichlofenthion: _____ ppm</p> | <p>IWTO draft test method 59</p> |

Declaration: Sub-Criterion 3(a) Ectoparasiticide restrictions

| | | |
|--|---------------------------------|--|
| Name of product | | |
| <i>processing lot where there are less than 10 sales lots for that country of origin within the processing lot.</i> <i>Alternatively test reports may be submitted for all farmer or sales lots in a processing lot</i> | <i>chlorpyrifos:</i> _____ ppm | |
| | <i>fenclorphos</i> _____ ppm | |
| | <i>diflubenzuron:</i> _____ ppm | |
| | <i>triflumuron:</i> _____ ppm | |
| | <i>dicyclanil:</i> _____ ppm | |
| Responsible person's signature: | | |
| Responsible person's name in capitals: | | |
| Position: | | |
| Date: | | |
| Company Stamp: | | |

Declaration: Sub-Criterion 3(b) COD of the final effluent

Name of product

Note: Compliance with this criterion shall be on the basis of monthly averages for the six months preceding the application. The data shall demonstrate compliance by the wool scouring site or, if the effluent is treated off-site, by the wastewater treatment operator.

I, the undersigned, hereby declare that wool scouring operations minimise effluent COD by maximising dirt removal and grease recovery, followed by treatment to the required values.

| Type of wool | Requirement (Final discharge to the environment, g COD/kg wool) | Test result (test report to be attached) | Test method |
|--|---|--|-------------|
| Coarse wool | ≤ 25 g/kg | | ISO 6060 |
| Fine wool | ≤ 45 g/kg | | ISO 6060 |
| Responsible person's signature: | | | |
| Responsible person's name in CAPITALS: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

Declaration: Sub-Criterion 3(c) Measures implemented by wool scourers

Name of product

I, the undersigned, hereby declare that the wool scourers implement the following measures to recover value from either oxidised grease, fibre, suint or sludge arising from the scouring site used for the EU Ecolabelled wool products (Tick at least ONE):

- recovery for sale as a chemical feedstock,*
- the production of compost or liquid fertiliser,*
- the manufacturing of products such as building materials,*
- treatment and energy recovery by anaerobic digestion or incineration.*

Attach report and waste transfer notes confirming the type and proportion of waste recovered and the method used.

| | |
|--|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 4(a) Emissions to air of acrylonitrile

Name of product

I, the undersigned, hereby declare that the emissions to air of acrylonitrile (during polymerisation and up to the solution ready for spinning), expressed as an annual average, are less than 1.0 g/kg of fibre produced for the textile product(s).

Provide detailed documentation and/or test reports showing compliance with this sub-criterion, together with a declaration of compliance from the fibre manufacturer(s).

| | |
|---|---|
| Responsible person's signature: | <input style="width: 100%; height: 30px;" type="text"/> |
| Responsible person's name in capitals: | <input style="width: 100%; height: 30px;" type="text"/> |
| Position: | <input style="width: 100%; height: 30px;" type="text"/> |
| Date: | <input style="width: 100%; height: 30px;" type="text"/> |
| Company Stamp: | <input style="width: 100%; height: 30px;" type="text"/> |

Declaration: Sub-Criterion 4(b) Emissions to air of N,N-dimethylacetamide

Name of product

I, the undersigned, hereby declare that the workplace emissions to air of N,N-dimethylacetamide (127-19-5) during polymerisation and spinning of acrylic used in the textile product(s) do not exceed an Indicative Occupational Exposure Limit Value of 10.0 ppm.

Provide test reports and monitoring data from the fibre manufacturer(s) showing compliance with this sub-criterion.

Note: Emissions values are to be measured at those process stages in which the substances are used, expressed as an 8-hour average value (shift mean value).

| | |
|---|---|
| Responsible person's signature: | <input style="width: 100%; height: 30px;" type="text"/> |
| Responsible person's name in capitals: | <input style="width: 100%; height: 30px;" type="text"/> |
| Position: | <input style="width: 100%; height: 30px;" type="text"/> |
| Date: | <input style="width: 100%; height: 30px;" type="text"/> |
| Company Stamp: | <input style="width: 100%; height: 30px;" type="text"/> |

Declaration: Sub-Criterion 5(a) Non-use of organotin compounds

Name of product

I, the undersigned, hereby declare that organotin compounds are not used to manufacture the fibres in the textile product(s).

| | |
|---|---|
| Responsible person's signature: | <input style="width: 100%;" type="text"/> |
| Responsible person's name in capitals: | <input style="width: 100%;" type="text"/> |
| Position: | <input style="width: 100%;" type="text"/> |
| Date: | <input style="width: 100%;" type="text"/> |
| Company Stamp: | <input style="width: 100%;" type="text"/> |

Declaration: Sub-Criterion 5(b) Workplace emissions to air

Name of product

I, the undersigned, hereby declare that the workplace emissions to air of the following substances during polymerisation and spinning do not exceed the following indicative occupational exposure limit values (IOELV):

| | |
|--|-----------|
| diphenylmethane-4,4'-diisocyanate (101-68-8) | 0.005 ppm |
| toluene-2,4-diisocyanate (584-84-9) | 0.005 ppm |
| N,N-dimethylacetamide (127-19-5) | 10.0 ppm |

Provide test reports and monitoring data from the fibre manufacturer(s) showing compliance with this criterion.

Note: Emissions values are to be measured at those process stages in which the substances are used, expressed as an 8-hour average value (shift mean value).

| | |
|---|---|
| Responsible person's signature: | <input style="width: 100%;" type="text"/> |
| Responsible person's name in capitals: | <input style="width: 100%;" type="text"/> |
| Position: | <input style="width: 100%;" type="text"/> |
| Date: | <input style="width: 100%;" type="text"/> |
| Company Stamp: | <input style="width: 100%;" type="text"/> |

Declaration: Sub-Criterion 6(a) Minimum recycled content

Name of product

I, the undersigned, hereby declare that polyamide (or nylon) fibres in the textile product(s) are manufactured using a minimum content of 20 % nylon that has been recycled from pre and/or post-consumer waste.

Provide independent certification of the chain of custody or documentation from suppliers and processors.

Note: Recycled content shall be traceable back to the reprocessing of the feedstock.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 6(b) N₂O emissions from monomer production

Name of product

I, the undersigned, hereby declare that emissions to air of N₂O from nylon monomer production, expressed as an annual average, does not exceed 9.0 g N₂O /kg of caprolactam (for nylon 6) or adipic acid (for nylon 6,6).

Provide documentation or test reports showing compliance based on monitoring data, together with a declaration of compliance from fibre manufacturer(s) and their feedstock providers.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 7(a) Level of antimony

Name of product

I, the undersigned, hereby declare that (Tick ONE):

- polyester fibres are NOT used in the textile product(s),
- polyester fibres manufactured from recycled PET bottles are used in the textile product(s)
- polyester fibres manufactured using other feedstock are used in the textile product(s) and the level of antimony present in polyester fibres does not exceed 260 ppm.

Where the third option is ticked, provide a test report using one the following test methods:

- i. direct determination by Atomic Absorption Spectrometry**
- ii. Inductively Coupled Plasma (ICP) Mass Spectrometry**

Note: The test shall be carried out on a composite sample of raw fibres prior to any wet processing.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 7(b) Minimum recycled content

Name of product

I, the undersigned, hereby declare that polyester fibres used in the textile product(s) are manufactured using a minimum content of PET that has been recycled from pre-consumer and/or post-consumer waste. Staple fibres contain a minimum content of 50 % and filament fibres 20 %.

Provide independent certification of the chain of custody or documentation from by suppliers and processors.

Note: Recycled content shall be traceable back to the reprocessing of the feedstock.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 7(c) Emissions of VOCs

Name of product

I, the undersigned, hereby declare that the emissions of VOCs during the production of polyester, expressed as an annual average including both point sources and fugitive emissions, does not exceed 1.2 g/kg for PET chips and 10.3 g/kg for filament fibre.

Note: Monthly averages for the total emissions of organic compounds from production sites for EU Ecolabelled products shall be provided for a minimum of six months preceding the application.

| Polyester type | Requirement | Test result (test report to be attached) | Test method |
|---|-------------------------|--|---|
| <i>PET chips</i> | $\leq 1.2 \text{ g/kg}$ | | <i>EN 12619 or standards with an equivalent test method</i> |
| <i>filament fibre</i> | <i>10.3 g/kg</i> | | <i>EN 12619 or standards with an equivalent test method</i> |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

Declaration: Sub-Criterion 8(a) Non-use of lead-based pigments

Name of product

I, the undersigned, hereby declare lead-based pigments are not used.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 9(a) Pulp manufactured from wood

Name of product




I, the undersigned, hereby declare that a minimum 25 % of pulp fibres are manufactured from wood grown according to the principles of sustainable forestry management as defined by the UN FAO. The remaining proportion of pulp fibres originates from pulp sourced from legal forestry and plantations.

Provide valid, independently certified, chain of custody certificates from the fibre manufacturer(s) demonstrating that the wood fibres have been grown according to sustainable forestry management principles and/or are from legal sources.

Note: FSC, PEFC or equivalent schemes shall be accepted as independent certification.

I, the undersigned, hereby declare that the fibre manufacturers have followed due diligence processes as specified in Regulation (EU) No 995/2010 in order to ensure that timber has been legally harvested.

As evidence of legal timber sourcing, provide valid licenses from ONE or more of the following organisations:

-  EU FLEGT (Forest Law Enforcement, Governance and Trade)
-  UN CITES (the Convention on International Trade in Endangered Species of Wild Fauna and Flora) licences.
-  Third party scheme - **Identify here:** _____

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 9(b) Pulp produced from cotton linters

Name of product

I, the undersigned, hereby declare that pulp produced from cotton linters meets with the requirements of (Tick ONE):

- cotton sub-criterion 1(a)
 cotton sub-criterion 1(b)

Provide documentary evidence as indicated in the corresponding cotton sub-Criteria.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 9(c) Bleaching without elemental chlorine

Name of product

I, the undersigned, hereby declare that the pulp used to manufacture fibres is bleached without the use of elemental chlorine. The resulting total amount of chlorine and organically bound chlorine (Tick ONE):

- in the finished fibres OX does not exceed 150 ppm
 in the wastewater from pulp manufacturing AOX does not exceed 0.170 kg/ADt pulp.

Please, fill the correspondent field below

| Sample being tested | Requirement (total amount of chlorine and organically bound chlorine) | Test result (<u>test report to be attached</u>) | Test method |
|---|--|---|------------------|
| <i>Finished fibres (OX)</i> | $\leq 150 \text{ ppm}$ | | <i>ISO 11480</i> |
| <i>Wastewater from pulp manufacturing (AOX)</i> | $\leq 0.170 \text{ kg/ADt pulp}$ | | <i>ISO 9562</i> |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

Declaration: Sub-Criterion 9(d) Recover of value

Name of product

I, the undersigned, hereby declare that a minimum of 50 % of the pulp used to manufacture fibres is purchased from dissolving pulp mills that recover value from their spent process liquors either by:

- (i) Generating on-site electricity and steam*
- (ii) Manufacturing chemical co-products.*

| Pulp supplier name | Contribution to total pulp used to manufacture fibres | Does pulp supplier: | | Re-enter the % figure from the second column if 'Yes' to either |
|---|--|--|--|--|
| | | generate on-site electricity & steam? | recover and manufacture chemical co-products? | |
| | | (Delete as applicable. If 'Yes' provide evidence) | | |
| <i>(Pulp supplier 1)</i> | % | Yes/No | Yes/No | % |
| <i>(Pulp supplier 2)</i> | % | Yes/No | Yes/No | % |
| <i>(Pulp supplier 3)</i> | % | Yes/No | Yes/No | % |
| <i>(Pulp supplier 4)</i> | % | Yes/No | Yes/No | % |
| | | | TOTAL (must be ≥50%) | % |
| Responsible person's signature: | | | | |
| Responsible person's name in capitals: | | | | |
| Position: | | | | |
| Date: | | | | |
| Company Stamp: | | | | |

Declaration: Sub-Criterion 9(e) Sulphur content of the emissions

Name of product

I, the undersigned, hereby declare that, for viscose and modal fibres, the sulphur content of the emissions of sulphur compounds to air from fibre production processes, expressed as an annual average, does not exceed the following performance values.

| Fibre type | Performance value (g S/kg) |
|-------------------------------------|-----------------------------------|
| Staple fibre | 30 g/kg |
| Filament fibre (Batch washing) | 40 g/kg |
| Filament fibre (Integrated washing) | 170 g/kg |

Provide detailed documentation and/or test reports showing compliance with this criterion.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Fillings - Sub-Criteria 10(a, b, c)

Name of product

I, the undersigned, hereby declare that:

Sub-criterion 10(a): Filling materials consist of textile fibres complying with the textile fibre Criteria (1–9) where appropriate.

Sub-criterion 10(b): Filling materials comply with the textile RSL requirements for biocides and formaldehyde.

Sub-criterion 10(c): Detergents and other chemicals used for the washing of fillings (down, feathers, natural or synthetic fibres) comply with the textile RSL requirements for auxiliary chemicals and for detergents, softeners and complexing agents.

Provide documentation as indicated in the corresponding Criteria.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |

Declaration: Fillings - Sub-Criteria 10(a, b, c)

Name of product

Company Stamp:

Declaration: Sub-Criteria 11(a, b & c) Coatings, laminates and membranes

Name of product

I, the undersigned, hereby declare that

Sub-criterion 11(a): Components made of polyurethane comply with Textile fibre sub-criterion 5(a) relating to organic tin and 5(b) relating to workplace exposure to aromatic diisocyanates and DMAc.

Sub-criterion 11(b): Components made of polyester comply with Textile fibre sub-criteria 7(a) and 7(c) regarding antimony content and the emission of VOCs during polymerisation.

Sub-criterion 11(c): Polymers comply with restriction g(v) of the RSL in Appendix 1.

Provide documentation as indicated in the corresponding sub-Criteria and/or in the RSL of Appendix 1.

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:

Declaration: Accessories - Criterion 12

Name of product

I, the undersigned, hereby declare that metal and plastic components such as zips, buttons and fasteners comply with the RSL requirements for accessories as detailed in Appendix 1.

Provide documentation as indicated in the corresponding criterion.

Responsible person's signature:

Responsible person's name in capitals:

Position:

Declaration: Accessories - Criterion 12

| | |
|------------------------|--|
| Name of product | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 13(a) Restricted Substance List - General requirements

| | |
|--|--|
| Name of product | |
| <p><i>I, the undersigned, hereby declare that:</i></p> <ul style="list-style-type: none"> – <i>the final product and the production recipes used to manufacture the final textile product(s) do not contain the hazardous substances listed in the Restricted Substance List at or above the specified concentration limits or according to the specified restrictions.</i> – <i>the RSL is communicated to suppliers and agents responsible for the spinning, dyeing, printing and finishing stages of production.</i> – <i>laboratory testing, where required, is carried out for each product line based on random sampling.</i> – <i>testing is carried out annually during the licence period in order to demonstrate ongoing compliance with the RSL.</i> <p><u>Provide the following evidence of compliance with the RSL:</u></p> <ul style="list-style-type: none"> – <u>declarations applicable to substances and production recipes used to manufacture the final product from those responsible for related production stages</u> – <u>safety data sheets (SDS) for production recipes</u> – <u>declarations from chemical suppliers (where necessary)</u> – <u>test results from laboratory analysis of samples of the final product</u> <p><i>Notes:</i></p> <ul style="list-style-type: none"> – <i>SDS shall be completed in accordance with the guidance in Section 2,3,9,10, 11 and 12 of Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council (Guide to the compilation of safety data sheets). Incomplete SDS shall require supplementing by declarations from chemical suppliers.</i> – <i>Laboratory analysis of the final product shall be carried out in a representative way for the licensed product lines, where specified in the RSL and according to the test methods listed.</i> – <i>Testing, where required, shall be carried out upon application and once a year thereafter for each product line based on a random sample, with results then communicated to the relevant Competent Body.</i> – <i>Test data obtained for the purposes of compliance with industry RSL's and other schemes shall be accepted where the test methods are equivalent and have been carried out on a representative sample of the final product.</i> – <i>Failure of a test result during a licence period shall result in retesting for the specific product line. If the second test fails then the licence shall be suspended for the specific product line. Remedial action will then be required in order to re-instate the licence.</i> | |
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |



Declaration: Sub-Criterion 13(a) Restricted Substance List - General requirements

Name of product

Company Stamp:

Declaration: Sub-Criterion 13(b) Restricted Substance List - SVHCs

Name of product

I, the undersigned, hereby declare that the final textile product(s) including any component or accessory do not, unless specifically derogated, contain substances that:

- (i) Meet the Criteria in Article 57 of Regulation (EC) No 1907/2006 ,*
- (ii) Have been identified according to the procedure described in Article 59(1) of Regulation (EC) No 1907/2006 which establishes the candidate list for substances of very high concern.*

I, the undersigned, hereby declare that substances and recipes used at each production stage are screened against the latest version of the candidate list published by European Chemicals Agency (ECHA).

Notes:

- This applies to substances used to impart function to the final product and to substances that have been intentionally used in production formulas.*
- No derogation shall be given concerning substances that meet either of these two conditions, and which are present in a textile article, or in any homogeneous part of a complex textile article, in concentrations higher than 0,10 % (weight by weight).*

Provide declarations of compliance from each production stage and screening documentation.

Where a derogation has been granted, show that use of the substance is in compliance with the concentration limits and derogation conditions set out in the RSL.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criteria 14(a) & (b) Substitution of hazardous substances and mixtures used in dyeing, printing and finishing - Hazard classification restrictions & Derogations that apply to textile substance groups

Name of product

I, the undersigned, hereby declare that substances and mixtures applied to fabrics and knitted panels during dyeing, printing and finishing processes which remain on the final product and, in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council, or Council Directive 67/548/EC, meet the Criteria for classification with the most recent hazard classes or risk phrases unless they have been specifically derogated.

| Substance | Used in production recipe? (Delete as applicable) | If YES, specifically identify any derogated substances |
|---|--|---|
| biocides | Yes/No | |
| dye stuffs and pigments | Yes/No | |
| auxiliary carriers, leveling agents and dispersing agents | Yes/No | |
| optical brighteners | Yes/No | |
| print thickeners, binders and plasticizers | Yes/No | |
| cross-linking agents (from easy care finishes and printing) | Yes/No | |
| flame retardants and synergists | Yes/No | |
| water, dirt and stain repellents | Yes/No | |
| fabric softeners | Yes/No | |

The following substances or mixtures which change their properties upon processing (e.g., become no longer bioavailable, undergo chemical modification) so that the identified hazard no longer applies (including polymers that have been modified to incorporate a function and monomers or additives which become covalently bonded with polymers) were used in the production process.

The following evidence/s that the identified hazard no longer applies (e.g. in the final product it is no longer bioavailable, it has undergone chemical modification) is/are provided:

For each non-derogated substance used, provide declarations from each dyeing, printing and finishing production site and, where necessary, their chemical suppliers, that, (together with any additional functional substances used that may remain on the final product), this does not meet the Criteria for classification with one or more of the most recent hazard classifications and risk phrases.

Use the following Table to determine which technical information is required:

| Is the substance registered under Regulation (EC) No 1907/2006? | Does the substance yet have a harmonised CLP classification or are self-classified? | <u>Provide the following technical information</u> |
|--|--|---|
|--|--|---|

Declaration: Sub-Criteria 14(a) & (b) Substitution of hazardous substances and mixtures used in dyeing, printing and finishing - Hazard classification restrictions & Derogations that apply to textile substance groups

| | | |
|-----------------|-----|--|
| Name of product | | |
| No | No | Information meeting the requirements listed in Annex VII to Regulation (EC) No 1907/2006 |
| Yes | No | Information based on the REACH registration dossier confirming the non-classified status of the substance |
| Yes | Yes | Safety Data Sheets (SDS) (If SDS unavailable/substance is self-classified provide information relevant to the substances hazard classification according to Annex II to Regulation (EC) No 1907/2006) |

In the case of mixtures, provide safety data sheets where available. If these are unavailable then provide a calculation of the mixture classification according to the rules under Regulation (EC) No 1272/2008 together with information relevant to the mixtures hazard classification according to Annex II to Regulation (EC) No 1907/2006.

Note: SDS shall be completed in accordance with the guidance in Section 2,3,9,10, 11 and 12 of Annex II to Regulation (EC) No 1907/2006 (requirements for the compilation of SDS). Incomplete SDS will require supplementing by declarations from chemical suppliers.

For each derogated substance used, provide supporting evidence showing how the derogation conditions are met.

For Derogation (v) Auxiliaries, if the production formulas include substances that carry the most recent hazard classification, provide verification based on laboratory testing of the final product

| | |
|--|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Criterion 15 Washing, drying and curing energy efficiency

Dyeing, printing and finishing houses

Name of product

I, the undersigned, hereby declare that the energy used in washing, drying and curing steps associated with dyeing, printing and finishing steps for EU Ecolabelled textile product(s) is measured and benchmarked as part of an energy or carbon dioxide emissions management system.

Furthermore, production sites have implemented a minimum number of Best Available Techniques (BAT) energy efficiency techniques as listed in [Appendix 3](#) and as specified here.

| BAT themes | Production volume | |
|---|--------------------------|--------------------------|
| | <10 tonnes/day | >10 tonnes/day |
| 1. General energy management | Two techniques | Three techniques |
| 2. Washing and rinsing processes | One technique | Two techniques |
| 3. Drying and curing using stenter frames | One technique | Two techniques |

Compile reporting from energy management systems for each dyeing, printing and finishing production site.

Notes:

- ISO 50001 or equivalent systems for energy or carbon dioxide emissions shall be accepted as evidence for the energy management system.
- The evidence required of BAT implementation shall include, as a minimum, site photographs, technical descriptions of each technique and evaluations of the energy savings achieved.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 16(a) Wastewater discharges from wet processing

Weaving dyeing, printing and finishing houses

Name of product

I, the undersigned, hereby declare that wastewater discharges to the environment do not exceed 20 g COD/kg textiles processed.

Notes:

- *This applies to weaving, dyeing, printing and finishing processes used to manufacture the textile product(s). The requirement shall be measured downstream of on-site wastewater treatment plant and/or off-site wastewater treatment plant receiving wastewater from these processing sites.*

Is the effluent treated on site and discharged directly to surface waters? (Tick ONE):

- No
 Yes

*If **Yes**, I the undersigned, hereby declare that the effluent also meets the following requirements:*

- (i) *pH between 6.0 and 9.0*
- (ii) *temperature of less than 35°C*

*Is colour removal is required by a derogation condition in **Criterion 14**? (Tick ONE):*

- No
 Yes

*If **Yes**, I the undersigned, hereby declare that the effluent meets the following spectral absorption coefficients:*

- (i) *436 nm (yellow sector) 7 m⁻¹*
- (ii) *525 nm (red sector) 5 m⁻¹*
- (iii) *620 nm (blue sector) 3 m⁻¹*

Provide detailed documentation and test reports, using ISO 6060 and ISO 7887 as relevant, and show compliance with this criterion on the basis of monthly averages for the six months preceding the application, together with a declaration of compliance.

Notes: The data shall demonstrate compliance by the production site or, if the effluent is treated off-site, by the wastewater treatment operator.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 16(b) Emissions to air from printing and finishing processes

Printing and finishing houses

Name of product

Do textile coating and drying processes allow for the recovery and reuse of solvents? (**Tick ONE**):

- No
 Yes

If **No**, I, the undersigned, hereby declare that total emissions of organic compounds, as defined in Council Directive 1999/13/EC, from textile printing and finishing production sites used to manufacture the EU Ecolabelled product(s) do not exceed **100.0 mg C/Nm³**.

If **Yes**, I, the undersigned, hereby declare that total emissions of organic compounds, as defined in Council Directive 1999/13/EC, do not exceed **150.0 mg C/Nm³**.

Provide monitoring data to evidence recovery and reuse of solvents.

Note:

- Monthly averages for the total emissions of organic compounds from production sites shall be provided for the six months preceding the application.

| Do textile coating and drying processes allow for the recovery and reuse of solvents? | Requirement (total emissions of organic compounds) | Test result (test report to be attached) | Test method |
|---|--|--|---|
| NO | $\leq 100.0 \text{ mg C/Nm}^3$ | | EN 12619 or other equivalent standards. |
| YES | $\leq 150.0 \text{ mg C/Nm}^3$ | | EN 12619 or other equivalent standards. |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

Declaration: Criterion 17 Dimensional changes during washing and drying

Name of product

I, the undersigned, hereby declare that dimensional changes of the textile product(s) after washing and drying at either domestic or industrial washing temperatures and conditions do not exceed those specified here:

| Textile products or type of material | Dimensional changes | Textile products or type of material | Dimensional changes |
|---|----------------------------|---|----------------------------|
| <i>Knitted fabrics</i> | <i>+/- 4.0 %</i> | <i>Bathroom linen, including terry towelling and fine rib fabrics</i> | <i>+/- 8.0 %</i> |
| <i>Chunky knit</i> | <i>+/- 6.0 %</i> | <i>Washable and removable woven upholstery</i> | |
| <i>Interlock</i> | <i>+/- 5.0 %</i> | | |
| <i>Woven fabrics:</i> | | <i>- Curtains and furniture fabric:</i> | <i>+/- 2.0 %</i> |
| <i>- Cotton and cotton mix</i> | <i>+/- 3.0 %</i> | <i>- Mattress ticking</i> | <i>+/- 3.0 %</i> |
| <i>- Wool mix</i> | <i>+/- 2.0 %</i> | <i>Non-woven fabrics:</i> | |
| <i>- Synthetic fibres</i> | <i>+/- 2.0 %</i> | | |
| <i>Socks and hosiery</i> | <i>+/-8.0 %</i> | <i>- Mattress ticking</i> | <i>+/- 5.0 %</i> |
| | | <i>- All other fabrics</i> | <i>+/- 6.0 %</i> |

| Washing process | Test result (<u>test report to be attached</u>) | Test method |
|--|--|---|
| <i>Domestic washing</i> | | <i>EN ISO 6330 in combination with EN ISO 5077 shall be used as follows: three washes at temperatures as indicated on the product, with tumble drying after each washing cycle.</i> |
| <i>Commercial washing in industrial laundries</i> | | <i>ISO 15797 in combination with EN ISO 5077 shall be used at a minimum of 75°C or as indicated in the standard for the fibre and bleaching combination. Drying shall be as indicated on the product label.</i> |
| <i>For removable and washable mattress ticking</i> | | <i>EN ISO 6330 in combination with EN 25077 shall be used. The default conditions shall be washing 3A (60°C) and drying C (flat drying) unless the product label states otherwise.</i> |
| Responsible person's signature: | | |
| Responsible person's name: | | |
| Position: | | |
| Date: | | |
| Company Stamp: | | |

Declaration: Criterion 18 Colour fastness to washing

Name of product

I, the undersigned, hereby declare that colour fastness of the textile product(s) to washing is at least level 3-4 for colour change and at least level 3-4 for staining.

Note: This criterion does **not** apply to:

- products labelled "dry clean only" or equivalent (in so far as it is normal practice for such products to be so labelled);
- white products;
- products that are neither dyed nor printed;
- non-washable furniture fabrics.

| Washing process | Test result (test report to be attached) | Test method |
|--|--|---|
| Domestic washing | | ISO 105 C06 (single wash, at temperature as marked on the product, with perborate powder). |
| Commercial washing in industrial laundries | | ISO 15797 in combination with ISO 105 C06 shall be used at a minimum of 75°C or as indicated in the standard for the fibre and bleaching combination. |
| Responsible person's signature: | | |
| Responsible person's name in capitals: | | |
| Position: | | |
| Date: | | |
| Company Stamp: | | |

Declaration: Criterion 19 Colour fastness to perspiration

Name of product

I, the undersigned, hereby declare that the colour fastness of the textile product(s) to perspiration (acid and alkaline) is at least level 3-4 (colour change and staining).

Notes:

- A level of 3 is nevertheless allowed when fabrics are both dark coloured (standard depth > 1/1) and made of regenerated wool.
- This criterion does **not** apply to:
 - o white products;
 - o products that are neither dyed nor printed;
 - o furniture fabrics, curtains or similar textiles intended for interior decoration.

| Requirement | Test result (<u>test report to be attached</u>) | Test method |
|--|--|---|
| Colour fastness to perspiration (acid and alkaline) | | ISO 105 E04 (acid and alkaline, comparison with multi-fibre fabric) |
| Responsible person's signature: | | |
| Responsible person's name in capitals: | | |
| Position: | | |
| Date: | | |
| Company Stamp: | | |

Declaration: Criterion 20 Colour fastness to wet rubbing

Name of product

I, the undersigned, hereby declare that the colour fastness of the textile product(s) to wet rubbing is at least level 2-3.

Notes:

- A level of 2 is allowed for dark coloured denim and a level of 1 for all other denim colour shades.
- This criterion does not apply to:
 - o white products;
 - o products that are neither dyed nor printed.

| Requirement | Test result (test report to be attached) | Test method |
|--|--|-------------|
| Colour fastness to wet rubbing | | ISO 105 X12 |
| Responsible person's signature: | | |
| Responsible person's name in capitals: | | |
| Position: | | |
| Date: | | |
| Company Stamp: | | |

Declaration: Criterion 21 Colour fastness to dry rubbing

Name of product

I, the undersigned, hereby declare that the colour fastness of the textile product(s) to dry rubbing is at least level 4.

Notes:

- A level of 3-4 is allowed for dark coloured denim and a level of 2-3 for all other denim colour shades.
- This criterion does not apply to:
 - o white products;
 - o products that are neither dyed nor printed;
 - o curtains or similar textiles intended for interior decoration.

| Requirement | Test result (test report to be attached) | Test method |
|--|---|-------------|
| Colour fastness to dry rubbing | | ISO 105 X12 |
| Responsible person's signature: | | |
| Responsible person's name in capitals: | | |
| Position: | | |
| Date: | | |

Declaration: Criterion 21 Colour fastness to dry rubbing

Name of product

Company Stamp:

Declaration: Criterion 22 Colour fastness to light

Name of product

I, the undersigned, hereby declare that the textile product(s) meet the required colour fastness to light:

| Textile product(s) | Required colour fastness to light |
|---|--|
| <i>Fabrics intended for furniture, curtains or drapes which are both light coloured (standard depth < 1/12) and made of more than 20 % wool or other keratin fibres, or more than 20 % linen or other bast fibres.</i> | <i>At least level 4.</i> |
| <i>Other fabrics intended for furniture, curtains or drapes.</i> | <i>At least level 5</i> |
| <i>All other products.</i> | <i>At least level 4.</i> |

Notes: This requirement does not apply to mattress ticking, mattress protection or underwear.

Provide test reports using the following test method: ISO 105 B02

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:

Declaration: Criterion 23 Wash resistance and absorbency of cleaning products

Name of product

I, the undersigned, hereby declare that cleaning products are wash resistant and absorbent according to the relevant testing parameters specified here:

| Textile cleaning products or type of material | Numbers of washes | Temperature | EN ISO 6630 test reference |
|---|--------------------------|--------------------|-----------------------------------|
| <i>Woven and non-woven products for wet cleaning</i> | 80 | 40 °C | <i>Procedure 4N</i> |
| <i>Microfibre products for dusting</i> | 200 | 40 °C | <i>Procedure 4N</i> |
| <i>Products deriving from recycled textile fibres</i> | 20 | 30 °C | <i>Procedure 3G</i> |
| <i>Mops for washing floors</i> | 200 | 60 °C | <i>Procedure 6N</i> |
| <i>Cloths for washing floors</i> | 5 | 30 °C | <i>Procedure 3G</i> |

Provide test reports using the following test method: EN ISO 6630.

Note: Testing according to EN ISO 6330 shall be carried out using washing machine type A for all products and materials.

| Textile cleaning products or type of material | Liquid absorbency time |
|---|-------------------------------|
| <i>Products deriving from recycled textile fibres</i> | ≤ 10 seconds |
| <i>Microfibre products for surface and floor cleaning</i> | ≤ 10 seconds |
| <i>Woven and non-woven products for wet cleaning</i> | ≤ 10 seconds |
| <i>Products for washing floors</i> | ≤ 10 seconds |

Provide test reports using the following test method: EN ISO 9073-6.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Criterion 24 Fabric resistance to pilling and abrasion

Name of product

I, the undersigned, hereby declare that the textile product(s) resist pilling to the required values for the type of product.

| Type of product | Requirement (Pilling resistance) | Test result (<u>test report to be attached</u>) | Test method |
|---|----------------------------------|---|---------------------------------------|
| <i>Non-woven fabrics and knitted garments, accessories and blankets made of wool, wool blends and polyester (including fleece),</i> | ≥ 3 | | <i>ISO 12945-1 Pill box method</i> |
| <i>Woven cotton fabrics used for garments</i> | ≥ 3 | | <i>ISO 12945-2 Martindale method</i> |
| <i>Polyamide tights and leggings</i> | ≥ 2 | | <i>ISO 12945-2 Martindale method.</i> |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

Declaration: Criterion 25 Durability of function

Name of product

I, the undersigned, hereby declare that:

- *finishes, treatments and additives that impart water, oil and stain repellency, flame retardancy and easy care (also referred to as non-crease or permanent press) to the textile product when it is in use are durable according to the values and parameters set out in sub-Criteria 25(a), (b) and (c).*
- *for water, oil and stain repellents, consumers are provided with guidance on how to maintain the functionality of finishes applied to the product.*

*Note: Textile fibres, fabrics and membranes that lend the final product intrinsic functional properties are exempt from these requirements. **For products with intrinsic properties provide test reports demonstrating comparable or improved performance compared with alternatives that may be applied as finishes.***

| | |
|--|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Sub-Criterion 25(a) Water, oil and stain repellent functions

Name of product

I, the undersigned, hereby declare that the specified repellent functionality of the textile product(s) are retained under the following domestic and industrial washing regimes.

Note: Industrial washing temperatures may be reduced to 60°C for garments with taped seams.

| Repellent function | Washing type | Requirement | Test result (<u>test report to be attached</u>) | Test method |
|---|-------------------|---|--|--|
| <i>Water repellents</i> | Domestic | <i>Retain functionality of 3 out of 4 after 20 wash and tumble dry cycles at 40°C</i> | | <i>EN ISO 6330 in combination with ISO 4920</i> |
| | Industrial | <i>Retain functionality of 3 out of 4 after 10 washing and drying cycles at a minimum of 75°C</i> | | <i>ISO 15797 in combination with ISO 4920</i> |
| <i>Oil repellents</i> | Domestic | <i>Retain functionality of 3.5 out of 4.0 after 20 wash and tumble dry cycles at 40°C</i> | | <i>EN ISO 6330 in combination with ISO 14419</i> |
| | Industrial | <i>Retain functionality of 3.5 out of 4.0 after 10 washing and drying cycles at a minimum of 75°C</i> | | <i>ISO 15797 in combination with ISO 14419</i> |
| <i>Stain repellents</i> | Domestic | <i>Retain functionality of 3.0 out of 5.0 after 20 wash and tumble dry cycles at 40°C</i> | | <i>EN ISO 6330 in combination with ISO 22958</i> |
| | Industrial | <i>Retain functionality of 3.0 out of 5.0 after 10 washing and drying cycles at a minimum of 75°C</i> | | <i>ISO 15797 in combination with ISO 22958</i> |
| Responsible person's signature: | | | | |
| Responsible person's name in capitals: | | | | |
| Position: | | | | |
| Date: | | | | |
| Company Stamp: | | | | |

Declaration: Sub-Criterion 25(b) Flame retardant functions

Name of product

I, the undersigned, hereby declare that washable textile product(s) retain flame retardant functionality after 50 industrial wash and tumble dry cycles at a minimum of 75°C. Non-washable products retain their functionality after a soak test.

| Textile product(s) type | Requirement | Test result (<u>test report to be attached</u>) | Test method |
|---|--|---|---|
| Washable | Functionality retained after 50 industrial wash and tumble dry cycles at a minimum of 75°C | | EN ISO 10528 in combination with EN ISO 12138 |
| Non-washable and/or non-removable | Functionality retained after a soak test. | | Soak test according to BS 5651 or equivalent |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

Declaration: Sub-Criterion 25(c) Easy care

Name of product

I, the undersigned, hereby declare that, after 10 domestic wash and tumble-drying cycles at 40°C, the fabric smoothness grade achieved for:

- natural fibre products is SA-3;
- blended natural and synthetic fibre products is SA-4.

| Fibre type | Requirement (Smoothness grade after 10 domestic wash and tumble-drying cycles at 40°C) | Test result (<u>test report to be attached</u>) | Test method |
|---|---|---|-------------|
| Natural | SA-3 | | ISO 7768 |
| Blended natural | SA-4 | | ISO 7768 |
| Synthetic | SA-4 | | ISO 7768 |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |

Declaration: Sub-Criterion 25(c) Easy care

Name of product

Date:

Company Stamp:

Declaration: Criterion 26 Fundamental principles and rights at work

Name of product

I, the undersigned, hereby declare that the fundamental principles and rights at work as described in the International Labour Organisation's (ILO) Core Labour Standards, the UN Global Compact and the OECD Guidelines for Multi-National Enterprises are observed by all cut/make/trim production sites used to manufacture the licensed product(s).

I, the undersigned, hereby declare that the ILO Core Labour Standards are communicated to cut/make/trim production sites used to manufacture the final product.

I also provide third party verification of compliance, including confirmation that site visits have been carried out by the third-party auditors. The verification documents from a recognised independent verification scheme or documentary evidence from an independent verification body are provided.

Note 1: In countries where ILO Labour Inspection Convention, 1947 (No 81) has been ratified and ILO supervision indicates that the national labour inspection system is effective, and the scope of the inspection system covers the areas listed in the Criterion, verification by labour inspector(s) appointed by a public authority shall be accepted.

Note 2: Third party verification of compliance shall take place upon application and subsequently during the licence period if new production sites are introduced.

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:

Declaration: Criterion 27 Restriction on the sandblasting of denim

Name of product

I, the undersigned, hereby declare that the manual and mechanical sandblasting is not used to achieve distressed denim finishes.

Provide:

- **details of all production sites used to produce EU Ecolabelled denim products**
- AND**
- **documentary and photographic evidence of the alternative processes used to achieve distressed denim finishes.**

Declaration: Criterion 27 Restriction on the sandblasting of denim

| | |
|---|--|
| Name of product | |
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Criterion 28 Information appearing on the EU Ecolabel

| | |
|---|--|
| Name of product | |
| <p><i>I, the undersigned, hereby declare that the optional label with text box contains the following wording (TICK all that apply):</i></p> <p> <input type="checkbox"/> <i>Less polluting production processes</i> <input type="checkbox"/> <i>Restrictions on hazardous substances</i> <input type="checkbox"/> <i>Tested for durability</i> <input type="checkbox"/> <i>More sustainable fibre production</i> <input type="checkbox"/> <i>Text selected from below. Complete Table Below</i> </p> <p>Provide a sample of the product packaging showing the label.</p> | |

| Fibres used | Production specification | Text that may be displayed | TICK all that apply |
|---|---|--|----------------------------|
| <i>Cotton fibres</i> | <i>Organic content of more than 50 %</i> | <i>Made with xx % organic cotton. Only GMO-free cotton used.</i> | <input type="checkbox"/> |
| | <i>Organic content of more than 95 %</i> | <i>Made with organic cotton. Only GMO-free cotton used.</i> | <input type="checkbox"/> |
| | <i>IPM content of more than 70%</i> | <i>Cotton grown with reduced pesticides</i> | <input type="checkbox"/> |
| <i>Man-made cellulose fibres</i> | <i>Certified sustainable pulp of more than 25 %</i> | <i>Made using xx % wood from sustainable forests</i> | <input type="checkbox"/> |
| | <i>Certified sustainable pulp of more than 95 %</i> | <i>Made using wood from sustainable forests</i> | <input type="checkbox"/> |
| <i>Polyamide</i> | <i>Recycled content of more than 20 %</i> | <i>Made with xx % recycled nylon</i> | <input type="checkbox"/> |
| | <i>Recycled content of more than 95 %</i> | <i>Made with recycled nylon</i> | <input type="checkbox"/> |
| <i>Polyester</i> | <i>Recycled content of more than 50 %</i> | <i>Made with xx % recycled polyester</i> | <input type="checkbox"/> |
| | <i>Recycled content of more than 95 %</i> | <i>Made with recycled polyester</i> | <input type="checkbox"/> |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |



EU ECOLABEL TEXTILE PRODUCTS USER MANUAL

Commission Decision (EU) 2014/350; and Commission Decision (EU) 2017/1392

Declaration: Criterion 28 Information appearing on the EU Ecolabel

Name of product

Date:

Company Stamp:

Declaration: Appendix 1: RSL. (a) Restrictions applying to fibre and yarn spinning and weaving

Name of product

I, the undersigned, supplier of chemicals to the applicant hereby declare that _____ **(specify chemical product name)** intended for use as:

(TICK those which apply)

- (i) a sizing preparation applied to fibres and yarns
- (ii) a spinning solution additive, spinning additive and/or preparation agent
- meets the requirements listed below. I/We will keep our customer informed if any changes to the product are made which influences the validity of this declaration.

| Substance group | Scope of restriction Limit values | Test result (test report to be attached) | Test method(s) |
|---|--|--|---|
| (i) Sizing preparations applied to fibres and yarns Applicability: Spinning processes | ≥95 % (by dry weight) of the component substances shall be readily biodegradable. In all cases the sum of each component shall be taken into account. | | OECD 301 A, ISO 7827, OECD 301 B, ISO 9439, OECD 301 C, OECD 301 D, ISO 10708, OECD 301 E, OECD 301 F, ISO 9408 |
| (ii) Spinning solution additives, spinning additives and preparation agents Applicability: Primary spinning processes | ≥90 % (by dry weight) of the component substances shall be readily biodegradable, inherently biodegradable or eliminable in waste water treatment plants. In all cases the sum of each component shall be taken into account. | | Readily biodegradable: OECD 301 A, ISO 7827, OECD 301 B, ISO 9439, OECD 301 C, OECD 301 D, ISO 10708, OECD 301 E, OECD 301 F, ISO 9408 Inherently biodegradable: ISO 14593, OECD 302 A, ISO 9887, OECD 302 B, ISO 9888, OECD 302 C, Eliminability: OECD 303A/B, ISO 11733 |

Notes

Readily biodegradable: 70 % degradation of dissolved organic carbon within 28 days or 60% of theoretical maximum oxygen depletion or carbon dioxide generation within 28 days.

Inherently biodegradable: 70 % degradation of dissolved organic carbon within 28 days or 60 % of theoretical maximum oxygen depletion or carbon dioxide generation within 28 days. using one of the following test methods: ISO 14593, OECD 302 A, ISO 9887, OECD 302 B, ISO 9888, OECD 302 C;

Eliminability: 80 % degradation of dissolved organic carbon within 28 days.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Appendix 1: RSL. (b) Restrictions applying to bleaching

Name of product

Applicability: All fibre types

I, the undersigned, supplier of the applicant hereby declare that I/we do not use chlorine agents for the bleaching of any yarns, fabrics, knitted panels or end-products, with the exception of man-made cellulose fibres, used in the textile product(s).

I/We will keep our customer informed of any changes to our process which influences the validity of this declaration.

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:

Supplier Declaration: Appendix 1: RSL. (c) Restrictions applying to dye houses

Name of product

I, the undersigned, a dye house supplying the applicant hereby declare that I/we do not use:

- halogenated dyeing accelerants (carriers) to dye synthetic fibres and fabrics or polyester-wool blends. (Examples of carriers include 1,2-dichlorobenzene, 1,2,4-trichlorobenzene, chlorophenoxyethanol). (Applicability: Polyester, polyester-wool blends, acrylic and polyamide where disperse dyes are used.)*
- dyes which are carcinogenic, mutagenic or toxic to reproduction (CMR) (as identified in Appendix 2). (Applicability: All products.)*
- dyes which are potentially sensitising (as identified in Appendix 2). (Applicability: polyester, acrylic, polyamide; Elasticated or stretchable skin contact garments or underwear.)*
- chrome mordant dyes. (Applicability: Wool, polyamide)*
- metal complex dyes based on copper, chrome and nickel except for dyeing (Applicability: Polyamide, wool, cellulose fibres) (**TICK those which apply**):*

wool fibres

polyamide fibres

blends of wool and/or polyamide with man-made cellulose fibres

I/We will keep our customer informed of any changes to our process which influences the validity of this declaration.

Please provide SDS (Safety Data Sheets) to support this declaration.

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:

Declaration: Appendix 1: RSL. (c) Restrictions applying to dye houses (ii)

Dyeing house

Name of product

Applicability: Application of colours from Appendix 2 to acrylic, cotton, polyamide, wool fibres, knits and fabrics

*I, the undersigned, hereby declare that azo dyes are **not** used that may cleave to aromatic amines that are known to be carcinogenic. The following limit values are met.*

| Limit Values mg/kg | Test result (test report to be attached) | Verification requirements | Test method(s) |
|-------------------------|---|---|-------------------|
| 30 mg/kg for each amine | mg/kg | Final product testing to be carried out as specified. | EN 14362-1 and 3. |

Notes:

- Appendix 2 contains a list of restricted aryl amines and an indicative list of azo dyes that may cleave to these aryl amines. The latter should be used as a guide to dyes that should not be used.*
- Measures should be taken to avoid false positives from the presence of 4-aminoazobenzene.*

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Appendix 1: RSL. (d) Printing processes

Name of product

Applicability: Where printing is applied

I, the undersigned, a printer supplying the applicant hereby declare that in our printing process I/we do not use:

- halogenated dyeing accelerants (carriers) to dye synthetic fibres and fabrics or polyester-wool blends. (Examples of carriers include 1,2-dichlorobenzene, 1,2,4-trichlorobenzene, chlorophenoxyethanol).
- dyes which are carcinogenic, mutagenic or toxic to reproduction (CMR) (as identified in Appendix 2).
- dyes which are potentially sensitising (as identified in Appendix 2).
- chrome mordant dyes.
- metal complex dyes based on copper, chrome and nickel except for dyeing (**TICK those which apply**):
 - wool fibres
 - polyamide fibres
 - blends of wool and/or polyamide with man-made cellulose fibres
- printing pastes containing more than 5 % Volatile Organic Compounds (VOC's). (These may include: aliphatic hydrocarbons (C10 - C20), monomers such as acrylates, vinyl acetates, styrene, monomers such as acrylonitrile, acrylamide, butadiene, alcohols, esters, polyols, formaldehyde, phosphoric acid esters, benzene as impurity from upper hydrocarbons, ammonia (e.g., urea decomposition, biuret reaction))
- 'Plastisol' additives to print binders, including PVC and restricted phthalates.

I/We will keep our customer informed of any changes to our process which influences the validity of this declaration.

Please provide SDS (Safety Data Sheets) to support this declaration.

| | |
|--|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Appendix 1: RSL. (d) Restrictions applying to printing processes

Name of product

*I, the undersigned, hereby declare that **no printing** has been made in the production of the textile product(s).*

| | |
|--|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

**Declaration: Appendix 1: RSL. (e) Restrictions applying to finishing processes.
(i) Biocide finishes used to impart biocidal properties to the final products**

| | |
|---|--|
| Name of product | |
| <i>Applicability: All products</i> | |
| <i>I, the undersigned, hereby declare that biocides are not incorporated into fibres, fabrics or the final product in order to impart biocidal properties.</i> | |
| <i>Note:</i> | |
| <ul style="list-style-type: none"> – <i>Common examples include triclosan, nano-silver, zinc organic compounds, tin organic compounds, dichlorophenyl(ester) compounds, benzimidazol derivatives and isothiazolinones.</i> | |
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

**Declaration: Appendix 1: RSL. (e) Restrictions applying to finishing processes.
(ii) Anti-felting and shrink resistance**

| | |
|---|--|
| Name of product | |
| <i>Applicability: Where anti-felting and/or shrink resistance is applied</i> | |
| <i>I, the undersigned, a wool processor supplying the applicant hereby declare that halogenated substances or preparations are only applied to wool slivers and loose scoured wool.</i> | |
| <i>I/We will keep our customer informed of any changes to our process which influences the validity of this declaration.</i> | |
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

**Declaration: Appendix 1: RSL. (e) Restrictions applying to finishing processes.
(iii) Water, stain and oil repellent treatments**

Name of product

Applicability: Where water, stain and/or oil repellent treatments are applied to provide the function

I, the undersigned, a finisher supplying the applicant hereby declare that:

- *fluorinated water, stain and oil repellent treatments are not used. These include perfluorinated and polyfluorinated treatments.*
- *non-fluorinated treatments are readily biodegradable and non-bioaccumulative in the aquatic environment including in aquatic sediment*

Please provide SDS (Safety Data Sheets) to support this declaration.

I, the undersigned, a finisher supplying the applicant also hereby declare that:

- *non-fluorinated treatments additionally comply with fitness for use sub-criterion 25(a) whose requirements are reproduced below.*

I/We will keep our customer informed of any changes to our process which influences the validity of these declarations.

| Repellent function | Washing type | Requirement | Test result (test report to be attached) | Test method |
|--------------------|--------------|--|--|---|
| Water repellents | Domestic | Retain functionality of 80 out of 90 after 20 wash and tumble dry cycles at 40°C | | EN ISO 6330 in combination with ISO 4920 |
| | Industrial | Retain functionality of 80 out of 90 after 10 washing and drying cycles at a minimum of 75°C | | ISO 15797 in combination with ISO 4920 |
| Oil repellents | Domestic | Retain functionality of 3.5 out of 4.0 after 20 wash and tumble dry cycles at 40°C | | EN ISO 6330 in combination with ISO 14419 |
| | Industrial | Retain functionality of 3.5 out of 4.0 after 10 washing and drying cycles at a minimum of 75°C | | ISO 15797 in combination with ISO 14419 |
| Stain repellents | Domestic | Retain functionality of 3.0 out of 5.0 after 20 wash and tumble dry cycles at 40°C | | EN ISO 6330 in combination with ISO 22958 |
| | Industrial | Retain functionality of 3.0 out of 5.0 after 10 washing and drying cycles at a minimum of 75°C | | ISO 15797 in combination with ISO 22958 |

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:

**Declaration: Appendix 1: RSL. (e) Restrictions applying to finishing processes.
(iv) Flame retardants**

Name of product

Applicability: Where flame retardants are applied.

I, the undersigned, hereby declare that the following flame retardants are not used:

- HBCDD – Hexabromocyclododecane
- PeBDE – Pentabromodiphenyl ether
- OcBDE – Octabromodiphenyl ether
- DecaBDE – Decabromodiphenyl ether
- PBBs – Polybrominated biphenyls
- TEPA – Tris(aziridinyl) phosphin oxide
- TRIS – Tris (2,3 dibromopropyl) phosphate
- TCEP – Tris (2, chloroethyl) phosphate
- Paraffin, C10-C13, chlorinated (SCCP)

Please provide SDS (Safety Data Sheets) to support this declaration.

*Is antimony trioxide (H351) used as a synergist for the backcoating of interior textiles? **(Tick ONE)***

- No
- Yes

*If **YES**, I, the undersigned, hereby declare that product is required to be flame retardant and that following workplace occupational exposure limit values are met: Eight hour mean shift value ELV for 0.50 mg/m³.*

Provide monitoring data from the finisher where the antimony trioxide is applied to support this declaration.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

**Declaration: Appendix 1: RSL. (f) Restrictions applying to all production stages
(i) Substances of Very High Concern (SVHC's)**

Name of product

Applicability: All products

Please, _____ specify _____ the _____ production process _____

I, the undersigned, supplying the applicant hereby declare that Substances of Very High Concern (SVHC's) that have been identified according to Article 59 of Regulation 1907/2006 (REACH) as meeting the Criteria of Article 57 of that Regulation and are listed in the candidate list for eventual inclusion in Annex XIV of REACH ("Candidate List") that is current at the time of application were not used to impart function to the product processed at this site or intentionally used in production formulas for the product processed at this site, unless a derogation has been approved.

Note:

- No derogation from the exclusion in this criterion shall be given concerning substances identified as SVHC's and which have been entered onto the list foreseen in Article 59 of Regulation (EC) No 1907/2006, and which are present in the article or in any homogenous part of it in concentrations of more than 0.10 %.
- The current Candidate List can be consulted at: <http://echa.europa.eu/web/guest/candidate-list-table>

I/We will keep our customer informed of any changes to our process which influences the validity of this declaration.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Appendix 1: RSL. (f) Restrictions applying to all production stages (ii) & (iii) Surfactants, softeners and complexing agents

Name of product

Applicability: All wet processes

I, the undersigned, supplier of surfactants (including detergents), softeners and/or complexing agents to the applicant hereby declare that these meet the requirements listed below.

I/We will keep our customer informed if any changes to the product are made which influences the validity of this declaration.

| Substance group | Scope of restriction | Verification requirements | Test method(s) |
|---|---|--|---|
| All detergents, surfactants, fabric softeners and complexing agents | At least 95 % by total weight of fabric softeners, complexing agents, detergents and surfactants shall be: - readily biodegradable under <u>aerobic</u> conditions or - inherently biodegradable and/or - eliminable in wastewater treatment plants. | Provide SDS and/or OECD or ISO test results | Readily biodegradable: OECD 301 A, ISO 7827, OECD 301 B, ISO 9439, OECD 301 C, OECD 301 D, ISO 10708, OECD 301 E, OECD 301 F, ISO 9408 Inherently biodegradable: ISO 14593, OECD 302 A, ISO 9887, OECD 302 B, ISO 9888, OECD 302 C, Eliminability: OECD 303A/B, ISO 11733 |
| Non-ionic and cationic detergents and surfactants | All non-ionic and cationic surfactants must also be readily biodegradable under <u>anaerobic</u> conditions | Provide SDS and/or OECD or ISO test results | EN ISO 11734, ECETOC No 28, OECD 311 |

Notes

The detergents ingredients database should be used as a reference point for biodegradability:

http://ec.europa.eu/environment/EU_Ecolabel/documents/did_list/didlist_part_a_en.pdf

| | |
|--|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Appendix 1: RSL. (f) Restrictions applying to all production stages (iv) Auxiliaries used in preparations and formulations.

Name of product

Applicability: All products

I, the undersigned, hereby declare that the following substances are not used in any preparations or formulations used for textiles and are subject to limit values for the presence of substances on the final product:

- Nonylphenol, mixed isomers 25154-52-3
- 4-Nonylphenol 104-40-5
- 4-Nonylphenol, branched 84852-15-3
- Octylphenol 27193-28-8
- 4-Octylphenol 1806-26-4
- 4-tert-Octylphenol 140-66-9
- Alkylphenoethoxylates (APEOs) and their derivatives:
- Polyoxyethylated octyl phenol 9002-93-1
- Polyoxyethylated nonyl phenol 9016-45-9
- Polyoxyethylated p-nonyl phenol 26027-38-3

| Limit Values | Verification requirements | Test result (test report to be attached) | Test method(s) |
|---|--|--|--|
| 25 mg/kg sum total | <i>Final product testing is to be carried out as specified for alkylphenols.</i> | | <p><i>Solvent extraction followed by LCMS for: Nonylphenol, mixed isomers; 4-Nonylphenol; 4-Nonylphenol, branched; Octylphenol; 4-Octylphenol; 4-tert-Octylphenol.</i></p> <p><i>ISO 18254' for: Alkylphenoethoxylates (APEOs) and their derivatives: Polyoxyethylated octyl phenol, Polyoxyethylated nonyl phenol; Polyoxyethylated p-nonyl phenol.</i></p> |
| Responsible person's signature: | | | |
| Responsible person's name in capitals: | | | |
| Position: | | | |
| Date: | | | |
| Company Stamp: | | | |

**Declaration: Appendix 1: RSL. (f) Restrictions applying to all production stages
(iv) Auxiliaries used in preparations and formulations**

Name of product

Applicability: All products

I, the undersigned, supplier of chemicals to the applicant declare that the following substances are not used in any textile preparations or formulations:

- *bis(hydrogenated tallow alkyl) dimethyl ammonium chloride (DTDMAC)*
- *distearyl dimethyl ammonium chloride (DSDMAC)*
- *di(hardened tallow) dimethyl ammonium chloride (DHTDMAC)*
- *ethylene diamine tetra acetate (EDTA),*
- *diethylene triamine penta acetate (DTPA)*
- *4-(1,1,3,3-tetramethylbutyl)phenol*
- *1-Methyl-2-pyrrolidone*
- *Nitrilotriacetic acid (NTA)*

Please provide SDS (Safety Data Sheets) to support this declaration.

I/We will keep our customer informed if any changes to the product are made which influences the validity of this declaration.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

**Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product
(i) Candidate List SVHC's that are derogated**

| | |
|--|--|
| Name of product | |
| <i>Applicability: end products containing elastane and/or acrylic</i> | |
| <i>I, the undersigned, hereby declare that the following limit values for N,N-Dimethylacetamide (127-19-5) are met by end products containing elastane and/or acrylic.</i> | |

| Scope of restriction | Limit Values | Verification requirements | Test result (test report to be attached) | Test method(s) |
|---|--------------------|------------------------------|--|---|
| <i>Products for babies and children under 3 years old</i> | <i>0.001 % w/w</i> | <i>Final product testing</i> | | <i>Solvent extraction, GCMS or LCMS</i> |
| <i>Products that are in direct contact with the skin</i> | <i>0.005 % w/w</i> | | | |
| <i>Garments with limited skin contact and interior textiles</i> | <i>0.005 % w/w</i> | | | |
| Responsible person's signature: | | | | |
| Responsible person's name in capitals: | | | | |
| Position: | | | | |
| Date: | | | | |
| Company Stamp: | | | | |

**Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product
(ii) Formaldehyde residues**

Name of product

Applicability: All products. Specific conditions apply to garments with easy care finishes (also referred to as non-crease or permanent press)

(Tick ONE)

- I, the undersigned, hereby declare that textile product(s) does/do **not** have an easy-care finish.
- I, the undersigned, hereby declare that textile product(s) does/do have an easy-care finish and that the following limit values for residual formaldehyde from easy care finishes are met.

| Scope of restriction | Limit Values | Verification requirements | Test result (test report to be attached) | Test method(s) |
|---|--------------|------------------------------|--|-----------------------|
| <i>Products for babies and children under 3 years old</i> | 16 ppm | <i>Final product testing</i> | | <i>EN ISO 14184-1</i> |
| <i>Products that are in direct contact with the skin</i> | 16 ppm | | | |
| <i>Garments with limited skin contact and interior textiles</i> | 75 ppm | | | |

Responsible person's signature:

Responsible person's name in capitals:

Position:

Date:

Company Stamp:

**Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product
(iii) Biocides used to protect textiles during transportation and storage.**

| | |
|--|--|
| Name of product | |
| <p><i>Applicability: All products.</i></p> <p><i>I, the undersigned, hereby declare that only biocides that contain active substances that are approved under Regulation (EC) No 528/2012 of the Council Parliament and the Council (*) are used in the textile product(s) prior to shipping and storage.</i></p> <p><i>Note:</i></p> <ul style="list-style-type: none"> - Applicants should consult the most current authorisation list: http://ec.europa.eu/environment/biocides/annexi_and_ia.htm - The following specific biocides are restricted: <ul style="list-style-type: none"> - Chlorophenols (their salts and esters) - Polychlorinated biphenyls (PCB) - Organotin compounds, including TBT, TPhT, DBT and DOT - Dimethyl fumarate (DMFu) <p>Please provide SDS (Safety Data Sheets) to support this declaration.</p> | |
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

**Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product
(iv) Extractable metals - in end products intended for babies and children under 3 years old**

Name of product

Applicability: All products with different limit values applying to babies and children under 3 years old.

I, the undersigned, hereby declare that the following limit values for extractable metals are met by end products intended for babies and children under 3 years old.

| Metal | Limit Values mg/kg | Test result (test report to be attached) | Verification requirements | Test method(s) |
|--|--------------------|--|---------------------------|---|
| Antimony (Sb) | 30.0 | mg/kg | Final product testing | Extraction EN ISO 105-E04-2013 (Acid sweat solution) Detection ICP-MS or ICP-OES |
| Arsenic (As) | 0.2 | mg/kg | | |
| Cadmium (Cd) | 0.1 | mg/kg | | |
| Chromium (Cr) - Textiles dyed with metal complex dyes | 1.0 | mg/kg | | |
| Chromium (Cr) - All other textiles | 0.5 | mg/kg | | |
| Cobalt (Co) | 1.0 | mg/kg | | |
| Copper (Cu) | 25.0 | mg/kg | | |
| Lead (Pb) | 0.2 | mg/kg | | |
| Nickel (Ni) - Textiles dyed with metal complex dyes | 1.0 | mg/kg | | |
| Nickel (Ni) - All other textiles | 0.5 | mg/kg | | |
| Mercury (Hg) | 0.02 | mg/kg | | |
| Responsible person's signature: | | | | |
| Responsible person's name in capitals: | | | | |
| Position: | | | | |
| Date: | | | | |

Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product
(iv) Extractable metals - in end products intended for babies and children under 3 years old

Name of product

Company Stamp:

Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product
(iv) Extractable metals - in all other products

Name of product

Applicability: All products with different limit values applying to babies and children under 3 years old.

I, the undersigned, hereby declare that the following limit values for extractable metals are met by all other products including interior textiles.

| Metal | Limit Values mg/kg | Test result (test report to be attached) | Verification requirements | Test method(s) |
|--|--------------------|--|---------------------------|---|
| Antimony (Sb) | 30.0 | mg/kg | Final product testing | Extraction - EN ISO 105-E04-2013 (Acid sweat solution) Detection - ICP-MS or ICP-OES |
| Arsenic (As) | 1.0 | mg/kg | | |
| Cadmium (Cd) | 0.1 | mg/kg | | |
| Chromium (Cr) - Textiles dyed with metal complex dyes | 2.0 | mg/kg | | |
| Chromium (Cr) - All other textiles | 1.0 | mg/kg | | |
| Cobalt (Co) - Textiles dyed with metal complex dyes | 4.0 | mg/kg | | |
| Cobalt (Co) - All other textiles | 1.0 | mg/kg | | |
| Copper (Cu) | 50.0 | mg/kg | | |
| Lead (Pb) | 1.0 | mg/kg | | |
| Nickel (Ni) | 1.0 | mg/kg | | |
| Mercury (Hg) | 0.02 | mg/kg | | |

Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product
(iv) Extractable metals - in all other products

| | |
|--|--|
| Name of product | |
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Supplier Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product (v) Coatings, laminates and membranes

Name of product _____

Applicability: Where incorporated into textile structure

Complete one or both of the following, as relevant, ticking the one you choose to fill::

I, the undersigned, manufacturer of coatings, laminates and membranes used by the applicant declare that the polymers do not contain the following phthalates:

- DEHP (Bis-(2-ethylhexyl)-phthalate)
- BBP (Butylbenzylphthalate)
- DBP (Dibutylphthalate)
- DMEP (Bis(2-methoxyethyl) phthalate)
- DIBP (Diisobutylphthalat)
- DIHP (Di-C6-8-branched alkyphthalates)
- DHNUP (Di-C7-11-branched alkylphthalates)
- DHP (Di-n-hexylphthalate)

Please provide SDS (Safety Data Sheets) for the plasticisers used in the formulation to support this declaration.

Where the information is not available testing may be requested using Test Method: EN ISO 14389

I, the undersigned, manufacturer of coatings, laminates and membranes used by the applicant declare that fluoropolymer membranes and laminates supplied for use in outdoor wear and technical outdoor clothing are not manufactured using PFOA or any of its higher homologues as defined by the OECD.

I/We will keep our customer informed if any changes to the product are made which influences the validity of these declarations.

| | |
|---|--|
| Responsible person's signature: | |
| Responsible person's name in capitals: | |
| Position: | |
| Date: | |
| Company Stamp: | |

Declaration: Appendix 1: RSL. (g) Restrictions applying to the final product (vi) Accessories such as buttons, rivets and zips

Name of product

Applicability: Where incorporated into garment structure

I, the undersigned, hereby declare that the following phthalates are not used in any plastic accessories:

- DEHP (Bis-(2-ethylhexyl)-phthalate)
- BBP (Butylbenzylphthalate)
- DBP (Dibutylphthalate)
- DMEP (Bis(2-methoxyethyl) phthalate)
- DIBP (Diisobutylphthalate)
- DIHP (Di-C6-8-branched alkyphthalates)
- DHNUP (Di-C7-11-branched alkyphthalates)
- DHP (Di-n-hexylphthalate)

I, the undersigned, hereby declare that following phthalates are not used in children's clothing where there is a risk that the accessory may be placed in the mouth e.g. zip handles:

- DINP (Di-isononyl phthalate)
- DIDP (Di-isodecyl phthalate)
- DNOP (Di-n-Octyl phthalate)

I, the undersigned, hereby declare that the following limit values are met by metal accessories such as buttons, rivets and zips.

| Metal | Limit Values | Test result (test report to be attached) | Verification requirements | Test method(s) |
|--|---|--|---|--|
| Nickel-containing metal alloys in direct/ prolonged contact with skin | Migration limit: 0.5 µg/cm ² /week | µg/cm ² /week | Testing of the composition of the metal components. | EN 12472-2005 EN 1628 - 2011 and EN 1811:2011 |
| Lead (Pb) | 90 mg/kg | mg/kg | | Detection – GC-ICP-MS |
| Cadmium (Cd) - products intended for babies and children under 3 years old | 50 mg/kg | mg/kg | | |
| Cadmium (Cd) - all other products including interior textiles: | 100 mg/kg | mg/kg | | |
| Chrome (Cr) where there is chrome plating | 60 mg/kg | mg/kg | | |
| Mercury (Hg) | 60 mg/kg | mg/kg | | |
| Responsible person's signature: | | | | |
| Responsible person's name: | | | | |
| Position: | | | | |
| Date: | | | | |
| Company Stamp: | | | | |

APPENDICES

Appendix 1: EU Ecolabel textile Restricted Substance List (RSL)

The EU Ecolabel RSL consists of restrictions that apply to the following production stages in the textile products supply chain:

- (a) [fibre and yarn spinning](#)
- (b) [bleaching and pre-treatment](#)
- (c) [dye houses](#)
- (d) [printing processes](#)
- (e) [finishing processes](#)
- (f) [all production stages](#)
- (g) [the final product](#)

A number of restrictions under [\(g\)](#) also apply to the final product, for which analytical testing may be required.

(a) Restrictions applying to fibre and yarn spinning and weaving

| Substance group | Scope of restriction | Limit values | Verification requirements |
|---|--|---|---|
| <p>(i) Sizing preparations applied to fibres and yarns</p> <p>Applicability: Spinning processes</p> | <p>At least 95 % (by dry weight) of the component substances shall be readily biodegradable.</p> <p>In all cases the sum of each component shall be taken into account.</p> | <p><u>Readily biodegradable:</u> 70 % degradation of dissolved organic carbon within 28 days</p> <p>or</p> <p>60% of theoretical maximum oxygen depletion or carbon dioxide generation within 28 days.</p> | <p>Verification: Declaration from the chemical supplier supported by OECD or ISO test results.</p> <p>Test method: OECD 301 A, ISO 7827, OECD 301 B, ISO 9439, OECD 301 C, OECD 301 D, ISO 10708, OECD 301 E, OECD 301 F, ISO 9408</p> |
| <p>(ii) Spinning solution additives, spinning additives and preparation agents (including carding oils, spin finishes and lubricants).</p> <p>Applicability: Primary spinning processes</p> | <p>At least 90 % (by dry weight) of the component substances shall be readily biodegradable, inherently biodegradable or eliminable in waste water treatment plants.</p> <p>In all cases the sum of each component shall be taken into account.</p> | <p><u>Readily biodegradable:</u> See definition under (a)(i)</p> <p><u>Inherently biodegradable:</u> 70 % degradation of dissolved organic carbon within 28 days</p> <p>or</p> <p>60 % of theoretical maximum oxygen depletion or carbon dioxide generation within 28 days.</p> <p><u>Eliminability:</u> 80 % degradation of dissolved organic carbon within 28 days</p> | <p>Verification: Declaration from chemical supplier supported by OECD or ISO test results</p> <p>Test method: See (a)(i) for readily biodegradable tests.</p> <p><u>Inherently biodegradable tests that are accepted:</u> ISO 14593, OECD 302 A, ISO 9887, OECD 302 B, ISO 9888, OECD 302 C</p> <p><u>Tests for eliminability:</u> OECD 303A/B, ISO 11733</p> |

(b) Restrictions applying to bleaching

| Substance group | Scope of restriction | Limit values | Verification requirements |
|---|--|--------------|--|
| <p>(i) Bleaching of yarns, fabrics and end products</p> <p>Applicability: All fibre types</p> | <p>Chlorine agents shall not be used for the bleaching of any yarns, fabrics, knitted panels or end-products with the exception of man-made cellulose fibres.</p> | n/a | <p>Verification: Declaration of non-use by production stage(s).</p> |

(c) Restrictions applying to dye houses

| Substance group | Scope of restriction | Limit values | Verification requirements |
|---|--|--------------------------------------|--|
| <p>(i) Halogenated carriers</p> <p>Applicability:</p> <p>Polyester, polyester-wool blends, acrylic and polyamide where disperse dyes are used.</p> | <p>Halogenated dyeing accelerants (carriers) shall not be used to dye synthetic fibres and fabrics or polyester-wool blends.</p> <p>Examples of carriers include 1,2-dichlorobenzene, 1,2,4-trichlorobenzene, chlorophenoxyethanol.</p> | n/a | <p>Verification:</p> <p>Declaration of non-use from the chemical supplier supported by SDS.</p> |
| <p>(ii) Azo dyes</p> <p>Applicability:</p> <p>Application of colours from Appendix 2 to acrylic, cotton, polyamide, wool fibres, knits and fabrics.</p> | <p>Azo dyes shall not be used that may cleave to aromatic amines that are known to be carcinogenic.</p> <p>Appendix 2 contains a list of restricted aryl amines and an indicative list of azo dyes that may cleave to these aryl amines. The latter should be used as a guide to dyes that should not be used. The limit value for aryl amines shall be applied to the final product.</p> | 30 mg/kg for each amine ¹ | <p>Verification:</p> <p>Final product testing to be carried out as specified.</p> <p>Test method:</p> <p>EN 14362-1 and 3.</p> |
| <p>(iii) CMR dyes</p> <p>Applicability:</p> <p>All products.</p> | <p>Dyes shall not be used that are carcinogenic, mutagenic or toxic to reproduction.</p> <p>Appendix 2 contains a listing of CMR dyes that shall not be used.</p> | n/a | <p>Verification:</p> <p>Declaration of non-use from the chemical supplier supported by SDS.</p> |
| <p>(iv) Potentially sensitising dyes</p> <p>Applicability:</p> <p>Polyester, acrylic, polyamide, elasticated or stretchable skin contact garments or underwear</p> | <p>Dyes shall not be used that are potentially sensitising.</p> <p>Appendix 2 contains a listing of sensitising dyes that shall not be used.</p> | | <p>Verification:</p> <p>Declaration of non-use from the chemical supplier supported by SDS.</p> |
| <p>(v) Chrome mordant dyes</p> <p>Applicability:</p> <p>Wool, polyamide</p> | <p>Chrome mordant dyes shall not be used.</p> | n/a | <p>Verification:</p> <p>Declaration of non-use from the chemical supplier supported by SDS.</p> |
| <p>(vi) Metal complex dyes</p> <p>Applicability:</p> <p>Polyamide, wool, cellulose fibres</p> | <p>Metal complex dyes based on copper, chrome and nickel shall only be permitted for dyeing: wool fibres, polyamide fibres, and blends of wool and/or polyamide with man-made cellulose fibres.</p> | n/a | <p>Verification:</p> <p>Declaration of non-use from the chemical supplier supported by SDS</p> |

¹ Measures should be taken to avoid false positives from the presence of 4-aminoazobenzene.

(d) Restrictions applying to printing processes

| Printing | | | |
|--|---|--|--|
| Substance group | Scope of restriction | Limit values | Verification requirements |
| (i) Dyes and pigments | Dyes and pigments used to print EU Ecolabelled textiles shall comply with the restrictions applying to dye houses (Section c). | Please refer to the dye house restrictions (Section c) | Verification: As specified for dye houses |
| (ii) Printing pastes Applicability: Where printing is applied | Printing pastes used shall not contain more than 5 % Volatile Organic Compounds (VOC's). These may include: <ul style="list-style-type: none"> • aliphatic hydrocarbons (C10 - C20) • monomers such as acrylates, vinyl acetates, styrene • monomers such as acrylonitrile, acrylamide, butadiene • alcohols, esters, polyols • formaldehyde • phosphoric acid esters • benzene as impurity from upper hydrocarbons • ammonia (e.g., urea decomposition, biuret reaction) | <5.0 % w/w VOC content | Verification: Declaration from applicant that no printing has been made <i>or</i> Declaration from printer supported by SDS and/or calculations for the printing paste. |
| (iii) Plastisol binders Applicability: Where printing is applied | 'Plastisol' additives to print binders, including PVC and restricted phthalates, shall not be used. | n/a | Verification: Declaration from applicant that no printing has been made <i>or</i> Declaration of non-use from chemical suppliers supported by SDS for additives. |



(e) Restrictions applying to finishing processes

| Functional finishes, treatments and additives | | | |
|---|---|--------------|---|
| Substance group | Scope of restriction | Limit values | Verification requirements |
| (i) Biocide finishes used to impart biocidal | Biocides products (within the meaning of Article 3(1)(a) of Regulation (EU) No 528/2012 of the European Parliament and of the Council (*) shall not be incorporated into fibres, fabrics or the final product in order to impart biocidal properties. | n/a | Verification: Declaration of non-use from the applicant |

| Functional finishes, treatments and additives | | | |
|--|--|--|---|
| <p>properties to the final products.</p> <p>Applicability:</p> <p>All products</p> | <p>Common examples include triclosan, nano-silver, zinc organic compounds, tin organic compounds, dichlorophenyl(ester) compounds, benzimidazol derivatives and isothiazolinones.</p> | | |
| <p>(*) Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and the use of biocidal products (OJ L 167, 27.6.2012, p. 1)</p> | | | |
| <p>(ii) Anti-felting and shrink resistance</p> <p>Applicability:</p> <p>Where applied.</p> | <p>Halogenated substances or preparations shall only be applied to wool slivers and loose scoured wool.</p> | n/a | <p>Verification:</p> <p>Declaration of non-use from wool processors.</p> |
| <p>(iii) Water, stain and oil repellent treatments</p> <p>Applicability:</p> <p>Where applied to provide the function.</p> | <p>Fluorinated water, stain and oil repellent treatments shall not be used. These shall include perfluorinated and polyfluorinated treatments.</p> <p>Non-fluorinated treatments shall be readily and/or ultimately biodegradable, or non-bioaccumulative in the aquatic environment including in aquatic sediment. They shall additionally comply with fitness for use sub-Criterion 25(a).</p> | n/a | <p>Verification:</p> <p>Declaration of non-use supported by SDS for the repellents used to be provided by finishers.</p> <p>Test method:</p> <p>n/a</p> |
| <p>(iv) Flame retardants</p> <p>Applicability:</p> <p>Where applied and as specified for synergists.</p> | <p>The following flame retardants shall not be used:</p> <ul style="list-style-type: none"> • HBCDD – Hexabromocyclododecane • PeBDE – Pentabromodiphenyl ether • OcBDE – Octabromodiphenyl ether • DecaBDE – Decabromodiphenyl ether • PBBs – Polybrominated biphenyls • TEPA – Tris(aziridinyl) phosphin oxide • TRIS – Tris (2,3 dibromopropyl) phosphate • TCEP – Tris (2, chloroethyl) phosphate • Paraffin, C10-C13, chlorinated (SCCP) | n/a | <p>Verification:</p> <p>Declaration of non-use supported by SDS</p> |
| | <p>The synergist antimony trioxide (H351) is derogated for use as a synergist for the back-coating of interior textiles only under the condition that the product is required to be flame retardant and that workplace occupational exposure limit values are met.</p> | <p>Eight hour mean shift value ELV for 0.50 mg/m³</p> | <p>Verification:</p> <p>Monitoring data shall be provided by the finisher where the antimony trioxide is applied.</p> |

(f) Restrictions applying to all production stages

| Substances of Very High Concern (SVHC's) | | | |
|--|----------------------|--------------|---------------------------|
| Substance group | Scope of restriction | Limit values | Verification requirements |
| | | | |

| <p>(i) Substances that have been entered onto the ECHA Candidate List.</p> <p>Applicability: All products.</p> | <p>SVHC's that have been identified according to Article 59 of Regulation 1907/2006 (REACH) as meeting the Criteria of Article 57 of that Regulation and are listed in the candidate list for eventual inclusion in Annex XIV of REACH ("Candidate List") that is current at the time of application shall not be present in the final product, either or to impart function to the final product or that have been intentionally used during production stages, unless a derogation has been approved.</p> <p>The current Candidate List can be consulted at: http://echa.europa.eu/web/guest/candidate-list-table</p> <p>No derogation from the exclusion in this criterion shall be given concerning substances identified as SVHC's and which have been entered onto the list foreseen in Article 59 of Regulation (EC) No 1907/2006, and which are present in the article or in any homogenous part of it in concentrations of more than 0.10 %.</p> | <p>n/a</p> | <p>Verification: Declaration of compliance by each production stage and their chemical suppliers.</p> |
|---|--|--------------|---|
| <p>Surfactants, softeners and complexing agents</p> | | | |
| Substance group | Scope of restriction | Limit values | Verification requirements |
| <p>(ii) All detergents, surfactants, fabric softeners and complexing agents</p> <p>Applicability: All wet processes</p> | <p>At least 95 % by total weight of fabric softeners, complexing agents, detergents and surfactants used at each production site shall be:</p> <ul style="list-style-type: none"> - readily biodegradable under aerobic conditions or - inherently biodegradable and/or - eliminable in wastewater treatment plants. <p>The latest revision of the Detergents Ingredients Database should be used as a reference point for biodegradability.</p> <p> Surfactants may be used as auxiliaries or may be an active ingredient in detergents. The 95% applies to the sum total used in each wet process.</p> | <p>n/a</p> | <p>Verification: Declaration chemical from supplier supported by SDS and/or OECD or ISO test results</p> <p>Test method: See sizing and spinning agents (Appendix 1(a) i/ii)</p> |
| <p>(iii) Non-ionic and cationic detergents and surfactants</p> <p>Applicability: All wet processes</p> | <p>All non-ionic and cationic detergents and surfactants used at each wet processing site are classified as hazardous to the aquatic environment according to Regulation (EC) No 1227/2008 shall be ultimately biodegradable under anaerobic conditions</p> <p>The Detergents Ingredients Database should be used as a reference point for biodegradability.</p> <p> Surfactants may be used as auxiliaries or may be an active ingredient in detergents. The test methods simulate conditions in order to achieve 'ultimate' biodegradability.</p> | <p>n/a</p> | <p>Verification: Declaration from SDS and/or chemical supplier supported by OECD or ISO test results</p> <p>Test method: EN ISO 11734, ECETOC No 28, OECD 311</p> |

| Auxiliaries | | | |
|--|---|--------------------|---|
| Substance group | Scope of restriction | Limit values | Verification requirements |
| <p>(iv) Auxiliaries used in preparations and formulations.</p> <p>Applicability: All products.</p> | <p>The following substances shall not be used in any preparations or formulations used for textiles and are subject to limit values for the presence of substances on the final product:</p> <ul style="list-style-type: none"> • Nonylphenol, mixed isomers • 4-Nonylphenol • 4-Nonylphenol, branched • Octylphenol • 4-Octylphenol • 4-tert-Octylphenol | 25 mg/kg sum total | <p>Verification:</p> <p>Final product testing</p> <p>Test method:</p> <p>Solvent extraction followed by LCMS</p> |
| | <p>Alkylphenoethoxylates (APEOs) and their derivatives:</p> <ul style="list-style-type: none"> • Polyoxyethylated octyl phenol • Polyoxyethylated nonyl phenol • Polyoxyethylated p-nonyl phenol | | <p>Verification:</p> <p>Final product testing</p> <p>Test method:</p> <p>ISO 18254</p> |
| | <p>The following substances shall not be used in any textile preparations or formulations:</p> <ul style="list-style-type: none"> • bis(hydrogenated tallow alkyl) dimethyl ammonium chloride (DTDMAC) • distearyl dimethyl ammonium chloride (DSDMAC) • di(hardened tallow) dimethyl ammonium chloride (DHTDMAC) • ethylene diamine tetra acetate (EDTA), • diethylene triamine penta acetate (DTPA) • 4-(1,1,3,3-tetramethylbutyl)phenol • 1-Methyl-2-pyrrolidone • Nitrilotriacetic acid (NTA) | n/a | <p>Verification:</p> <p>Declaration of non-use from the chemical suppliers supported by SDS for all production stages.</p> |

(g) Restrictions applying to the final product

| Substance group | Scope of restriction | Limit values | Verification requirements |
|--|---|--------------|---|
| <p>(i) Candidate List SVHC's that are derogated.</p> <p>Applicability: Elastane, acrylic</p> | <p>N,N-Dimethylacetamide (127-19-5)</p> <p>The following limit values apply to end products containing elastane and/or acrylic:</p> | 0.001 % w/w | <p>Verification:</p> <p>Final product testing</p> <p>Test method:</p> <p>Solvent extraction, GCMS or LCMS</p> |
| | <p>- Products for babies and children under 3 years old</p> | | |

| | | | | |
|---|---|--------------|---|--|
| | - Products that are in direct contact with the skin | 0.005 w/w | % | |
| | - Garments with limited skin contact and interior textiles | 0.005 w/w | % | |
| (ii) Formaldehyde residues Applicability: All products. Specific conditions apply to garments with easy care finishes (also referred to as non-crease or permanent press) | The following limit values apply to residual formaldehyde from easy care finishes: | | | Verification: Final product testing for products with an easy care finish. A declaration of non-use is required for all other products. Test method: EN ISO 14184-1 |
| | - Products for babies and children under 3 years old. | 16 ppm | | |
| | - All products that are in direct contact with the skin. | 16 ppm | | |
| | - Garments with limited skin contact and interior textiles. | 75 ppm | | |
| (iii) Biocides used to protect textiles during transportation and storage. Applicability: All products | Only biocides that contain active substances that are approved under Regulation (EC) No 528/2012 of the European Parliament and the Council (*) are permitted for use. Applicants should consult the most current authorisation list: http://ec.europa.eu/environment/biocides/annexi_and_ia.htm The following specific biocides are restricted: <ul style="list-style-type: none"> • Chlorophenols (their salts and esters) • Polychlorinated biphenyls (PCB) • Organotin compounds, including TBT, TPhT, DBT and DOT • -Dimethyl fumarate (DMFu) | n/a | | Verification: Declaration of non-use prior to shipping and storage supported by SDS. |
| | (*) Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products (OJ L 167, 27.6.2012, p. 1). | | | |
| (iv) Extractable metals Applicability: All products with different limit values applying to babies and children under 3 years old. | <i>The following limit values apply to products intended for babies and children under 3 years old:</i> | mg/kg | | Verification: Final product testing Test method: Extraction - EN ISO 105-E04-2013 (Acid sweat solution) Detection – ICP-MS or ICP-OES |
| | Antimony (Sb) | 30.0 | | |
| | Arsenic (As) | 0.2 | | |
| | Cadmium (Cd) | 0.1 | | |
| | Chromium (Cr) | | | |
| | - Textiles dyed with metal complex dyes | 1.0 | | |
| | - All other textiles | 0.5 | | |
| | Cobalt (Co) | 1.0 | | |
| | Copper (Cu) | 25.0 | | |
| Lead (Pb) | 0.2 | | | |
| Nickel (Ni) | | | | |
| - Textiles dyed with metal complex dyes | 1.0 | | | |

| | | | |
|---|---|--|--|
| | - All other textiles | 0.5 | |
| | Mercury (Hg) | 0.02 | |
| | <i>The following limit values apply to all other products including interior textiles:</i> | mg/kg | Verification: Final product testing |
| | Antimony (Sb) | 30.0 | Test method: Extraction - DIN EN ISO 105-E04-2013 (Acid sweat solution) |
| | Arsenic (As) | 1.0 | Detection – ICP-MS or ICP-OES |
| | Cadmium (Cd) | 0.1 | |
| | Chromium (Cr) | | |
| | - Textiles dyed with metal complex dyes | 2.0 | |
| | - All other textiles | 1.0 | |
| | Cobalt (Co) | | |
| | - Textiles dyed with metal complex dyes | 4.0 | |
| | - All other textiles | 1.0 | |
| | Copper (Cu) | 50.0 | |
| | Lead (Pb) | 1.0 | |
| | Nickel (Ni) | 1.0 | |
| | Mercury (Hg) | 0.02 | |
| <p>(v) Coatings, laminates and membranes</p> <p>Applicability:</p> <p>Where incorporated into textile structure</p> | <p>Polymers shall not contain the following phthalates:</p> <ul style="list-style-type: none"> • DEHP (Bis-(2-ethylhexyl)-phthalate) • BBP (Butylbenzylphthalate) • DBP (Dibutylphthalate) • DMEP (Bis2-methoxyethyl) phthalate • DIBP (Diisobutylphthalat) • DIHP (Di-C6-8-branched alkylphthalates) • DHNUP (Di-C7-11-branched alkylphthalates) • DHP (Di-n-hexylphthalate) | Sum total 0.10% w/w | <p>Verification:</p> <p>Declaration of non-use by polymer manufacturer supported by SDS for the plasticisers used in the formulation. Where the information is not available testing may be requested.</p> <p>Test method:</p> <p>EN ISO 14389</p> |
| | <p>Fluoropolymer membranes and laminates may be used for outdoor wear and technical outdoor clothing. They shall not be manufactured using PFOA or any of its higher homologues as defined by the OECD.</p> | | |
| <p>(vi) Accessories such as buttons, rivets and zips</p> | <p>For metal accessories:</p> <p>A migration limit shall apply to nickel-containing metal alloys that are in direct and prolonged contact with the skin.</p> | Nickel 0.5 µg/cm ² /week | <p>Verification:</p> <p>Testing of the composition of the metal components.</p> |

| | | | | | | | | | | | |
|---|---|-----------|---|--|----------|--|-----------|---|----------|--------------|----------|
| <p>Applicability:</p> <p>Where incorporated into garment structure</p> | <p>Additionally, testing shall be carried out for the presence of the following metals, to which the following limit values shall apply:</p> | | <p>Test methods:</p> <p>For nickel migration</p> | | | | | | | | |
| | <table border="1"> <tr> <td>Lead (Pb)</td> <td>90 mg/kg</td> </tr> <tr> <td>Cadmium (Cd): Products intended for babies and children under 3 years old</td> <td>50 mg/kg</td> </tr> <tr> <td>All other products including interior textiles</td> <td>100 mg/kg</td> </tr> <tr> <td>Chrome (Cr) where there is chrome plating</td> <td>60 mg/kg</td> </tr> <tr> <td>Mercury (Hg)</td> <td>60 mg/kg</td> </tr> </table> | Lead (Pb) | 90 mg/kg | Cadmium (Cd): Products intended for babies and children under 3 years old | 50 mg/kg | All other products including interior textiles | 100 mg/kg | Chrome (Cr) where there is chrome plating | 60 mg/kg | Mercury (Hg) | 60 mg/kg |
| Lead (Pb) | 90 mg/kg | | | | | | | | | | |
| Cadmium (Cd): Products intended for babies and children under 3 years old | 50 mg/kg | | | | | | | | | | |
| All other products including interior textiles | 100 mg/kg | | | | | | | | | | |
| Chrome (Cr) where there is chrome plating | 60 mg/kg | | | | | | | | | | |
| Mercury (Hg) | 60 mg/kg | | | | | | | | | | |
| | <p>The following phthalates shall not be used in any plastic accessories:</p> <ul style="list-style-type: none"> • DEHP (Bis-(2-ethylhexyl)-phthalate) • BBP (Butylbenzylphthalate) • DBP (Dibutylphthalate) • DMEP (Bis2-methoxyethyl) phthalate • DIBP (Diisobutylphthalate) • DIHP (Di-C6-8-branched alkylphthalates) • DHNUP (Di-C7-11-branched alkylphthalates) • DHP (Di-n-hexylphthalate) <p>The following phthalates shall not be used in children's clothing where there is a risk that the accessory may be placed in the mouth e.g. zip handles:</p> <ul style="list-style-type: none"> • DINP (Di-isononyl phthalate) • DIDP (Di-isodecyl phthalate) • DNOP (Di-n-Octyl phthalate) | n/a | <p>Verification:</p> <p>SDS is to be provided for the plastic formulation.</p> | | | | | | | | |

Appendix 2: Dye restrictions

(a) Carcinogenic aromatic amines

| Aryl amine | CAS Number |
|---|------------|
| 4-aminodiphenyl | 92-67-1 |
| Benzidine | 92-87-5 |
| 4-chloro-o-toluidine | 95-69-2 |
| 2-naphtylamine | 91-59-8 |
| o-amino-azotoluene | 97-56-3 |
| 2-amino-4-nitrotoluene | 99-55-8 |
| 4-chloroaniline | 106-47-8 |
| 2,4-diaminoanisol | 615-05-4 |
| 4,4'-diaminodiphenylmethane | 101-77-9 |
| 3,3'-dichlorobenzidine | 91-94-1 |
| 3,3'-dimethoxybenzidine | 119-90-4 |
| 3,3'-dimethylbenzidine | 119-93-7 |
| 3,3'-dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 |
| p-cresidine | 120-71-8 |
| 4,4'-methylene-bis-(2-chloro-aniline) | 101-14-4 |
| 4,4'-oxydianiline | 101-80-4 |
| 4,4'-thiodianiline | 139-65-1 |
| o-toluidine | 95-53-4 |
| 2,4-diaminotoluene | 95-80-7 |
| 2,4,5-trimethylaniline | 137-17-7 |
| 4-aminoazobenzene | 60-09-3 |
| o-anisidine | 90-04-0 |
| 2,4-Xylidine | 95-68-1 |
| 2,6-Xylidine | 87-62-7 |

(b) Indicative list of dyes that may cleave to carcinogenic aromatic amines

| Disperse dyes | | |
|---------------------|---------------------|-------------------|
| Disperse Orange 60 | Disperse Yellow 7 | |
| Disperse Orange 149 | Disperse Yellow 23 | |
| Disperse Red 151 | Disperse Yellow 56 | |
| Disperse Red 221 | Disperse Yellow 218 | |
| Basic dyes | | |
| Basic Brown 4 | Basic Red 114 | |
| Basic Red 42 | Basic Yellow 82 | |
| Basic Red 76 | Basic Yellow 103 | |
| Basic Red 111 | | |
| Acid dyes | | |
| CI Acid Black 29 | CI Acid Red 24 | CI Acid Red 128 |
| CI Acid Black 94 | CI Acid Red 26 | CI Acid Red 115 |
| CI Acid Black 131 | CI Acid Red 26:1 | CI Acid Red 128 |
| CI Acid Black 132 | CI Acid Red 26:2 | CI Acid Red 135 |
| CI Acid Black 209 | CI Acid Red 35 | CI Acid Red 148 |
| CI Acid Black 232 | CI Acid Red 48 | CI Acid Red 150 |
| CI Acid Brown 415 | CI Acid Red 73 | CI Acid Red 158 |
| CI Acid Orange 17 | CI Acid Red 85 | CI Acid Red 167 |
| CI Acid Orange 24 | CI Acid Red 104 | CI Acid Red 170 |
| CI Acid Orange 45 | CI Acid Red 114 | CI Acid Red 264 |
| CI Acid Red 4 | CI Acid Red 115 | CI Acid Red 265 |
| CI Acid Red 5 | CI Acid Red 116 | CI Acid Red 420 |
| CI Acid Red 8 | CI Acid Red 119:1 | CI Acid Violet 12 |
| Direct dyes | | |
| Direct Black 4 | Basic Brown 4 | Direct Red 13 |
| Direct Black 29 | Direct Brown 6 | Direct Red 17 |
| Direct Black 38 | Direct Brown 25 | Direct Red 21 |
| Direct Black 154 | Direct Brown 27 | Direct Red 24 |
| Direct Blue 1 | Direct Brown 31 | Direct Red 26 |
| Direct Blue 2 | Direct Brown 33 | Direct Red 22 |
| Direct Blue 3 | Direct Brown 51 | Direct Red 28 |
| Direct Blue 6 | Direct Brown 59 | Direct Red 37 |
| Direct Blue 8 | Direct Brown 74 | Direct Red 39 |
| Direct Blue 9 | Direct Brown 79 | Direct Red 44 |

| | | |
|------------------|-------------------|------------------|
| Direct Blue 10 | Direct Brown 95 | Direct Red 46 |
| Direct Blue 14 | Direct Brown 101 | Direct Red 62 |
| Direct Blue 15 | Direct Brown 154 | Direct Red 67 |
| Direct Blue 21 | Direct Brown 222 | Direct Red 72 |
| Direct Blue 22 | Direct Brown 223 | Direct Red 126 |
| Direct Blue 25 | Direct Green 1 | Direct Red 168 |
| Direct Blue 35 | Direct Green 6 | Direct Red 216 |
| Direct Blue 76 | Direct Green 8 | Direct Red 264 |
| Direct Blue 116 | Direct Green 8.1 | Direct Violet 1 |
| Direct Blue 151 | Direct Green 85 | Direct Violet 4 |
| Direct Blue 160 | Direct Orange 1 | Direct Violet 12 |
| Direct Blue 173 | Direct Orange 6 | Direct Violet 13 |
| Direct Blue 192 | Direct Orange 7 | Direct Violet 14 |
| Direct Blue 201 | Direct Orange 8 | Direct Violet 21 |
| Direct Blue 215 | Direct Orange 10 | Direct Violet 22 |
| Direct Blue 295 | Direct Orange 108 | Direct Yellow 1 |
| Direct Blue 306 | Direct Red 1 | Direct Yellow 24 |
| Direct Brown 1 | Direct Red 2 | Direct Yellow 48 |
| Direct Brown 1:2 | Direct Red 7 | |
| Direct Brown 2 | Direct Red 10 | |

(c) Dyes that are CMR or which potentially be sensitising

| Dyes that are carcinogenic, mutagenic or toxic to reproduction | | |
|--|-------------------------|-------------------------|
| C.I. Acid Red 26 | C. I. Direct Black 38 | C.I. Disperse Blue 1 |
| C.I. Basic Red 9 | C. I. Direct Blue 6 | C.I. Disperse Orange 11 |
| C.I. Basic Violet 14 | C. I. Direct Red 28 | C. I. Disperse Yellow 3 |
| Disperse dyes that are potentially sensitising | | |
| C.I. Disperse Blue 1 | C.I. Disperse Blue 124 | C.I. Disperse Red 11 |
| C.I. Disperse Blue 3 | C.I. Disperse Brown 1 | C.I. Disperse Red 17 |
| C.I. Disperse Blue 7 | C.I. Disperse Orange 1 | C.I. Disperse Yellow 1 |
| C.I. Disperse Blue 26 | C.I. Disperse Orange 3 | C.I. Disperse Yellow 3 |
| C.I. Disperse Blue 35 | C.I. Disperse Orange 37 | C.I. Disperse Yellow 9 |
| C.I. Disperse Blue 102 | C.I. Disperse Orange 76 | C.I. Disperse Yellow 39 |
| C.I. Disperse Blue 106 | C.I. Disperse Red 1 | C.I. Disperse Yellow 49 |

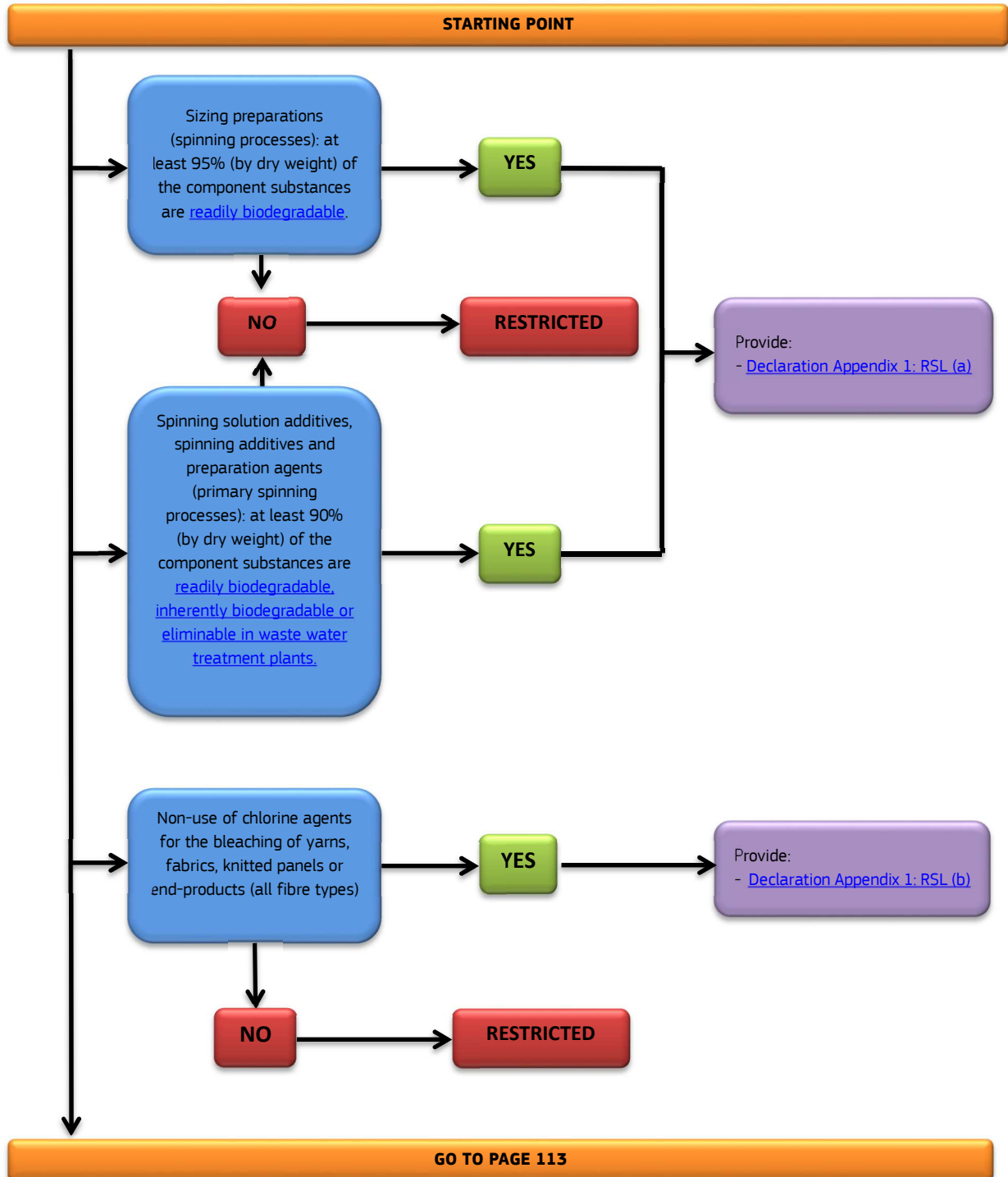
Appendix 3: Best available technique in the field of washing, drying and curing energy efficiency

| Domain | BAT Techniques |
|---|---|
| 1. General energy management | 1.1 Sub-metering, 1.2 Process monitoring and automatic control systems for flow control, filling volumes, temperatures and timing; 1.3 Insulation of pipework, valves and flanges 1.4 Frequency controlled electric motors and pumps 1.5 Closed design of machines to reduce vapour loss 1.6 Water and liquor re-use/recycling in batch processes 1.7 Heat recovery e.g. rinse water, steam condensate, process exhaust air, combustion gases |
| 2. Washing and rinsing process | 2.1 Use of cooling water as process water 2.2 Replacement of overflow washing with drainage/inflow washing 2.3 Use of 'smart' rinsing technologies with water flow controls and counter currents 2.4 Installation of heat exchangers |
| 3. Drying and curing using stenter frames | 3.1 Optimisation of air flow 3.2 Insulation of enclosures 3.3 Installation of Efficient burner systems 3.4 Installation of heat recovery systems |

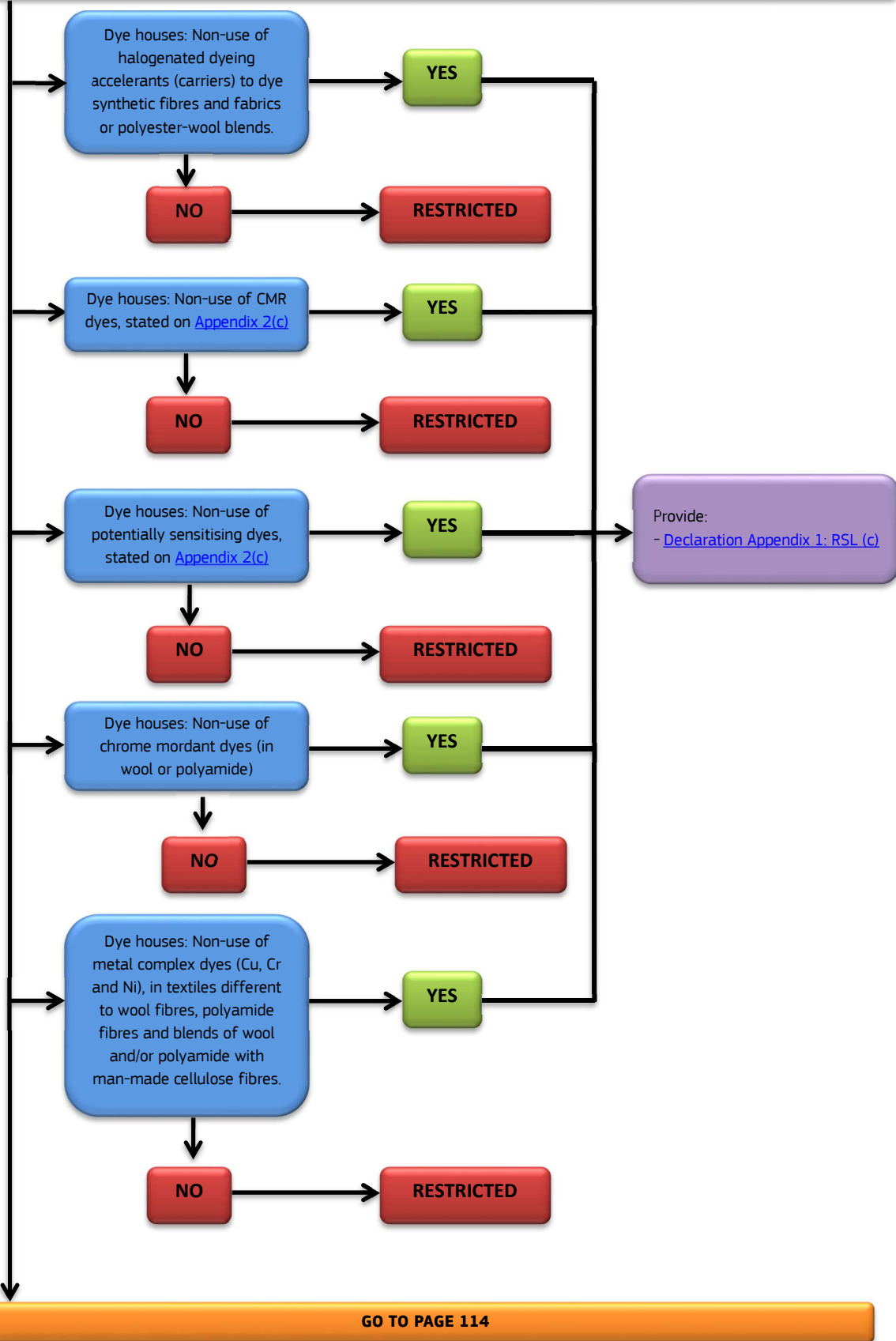
Note:

New BAT techniques referenced and recommended by EU Member State authorities after the date of publication of the European Commission's textile BREF (2003) shall be considered complementary to those listed above.

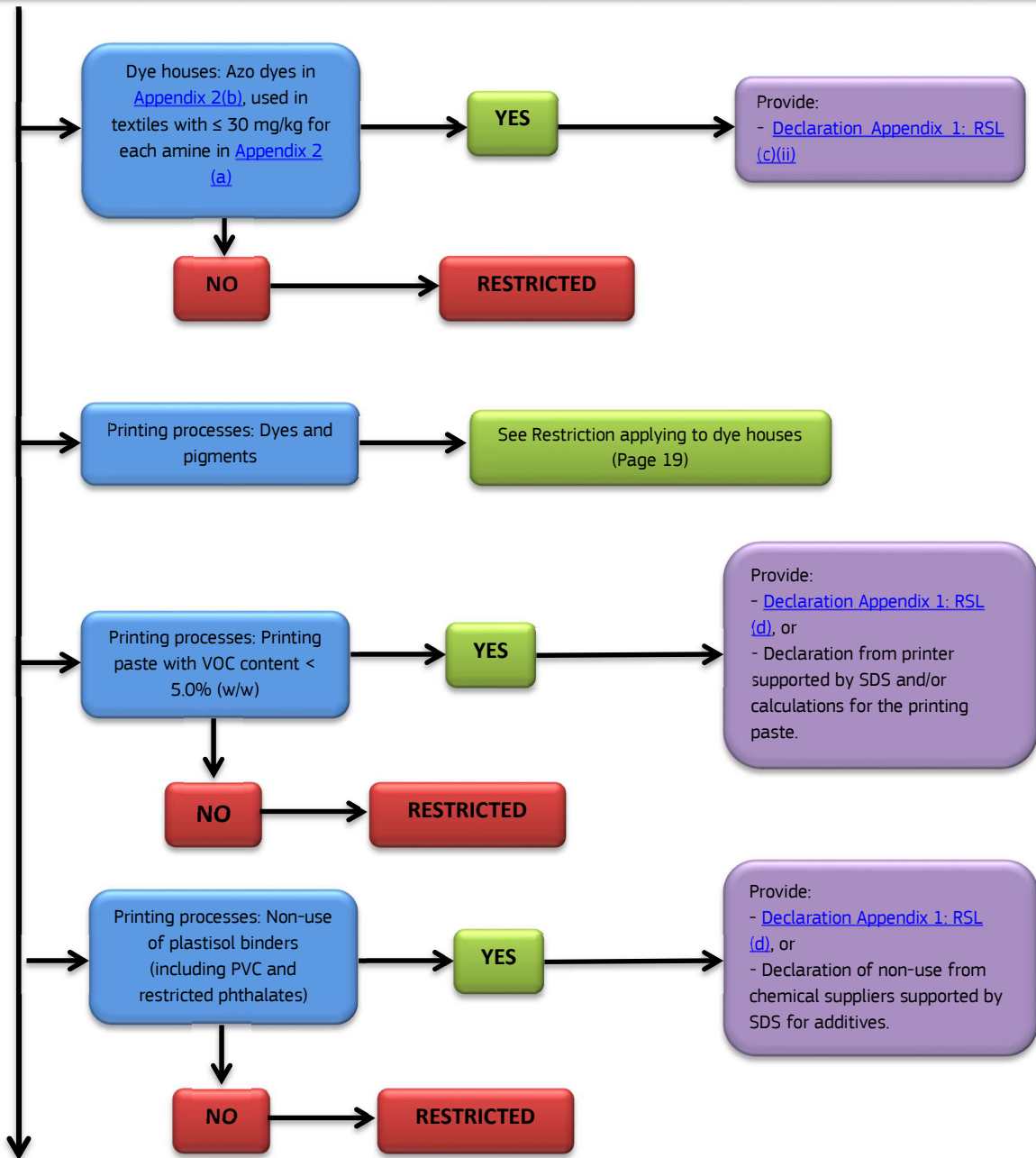
Appendix 4: Guidance on which declarations to use for Criterion 13 - Restricted Substance List (RSL)



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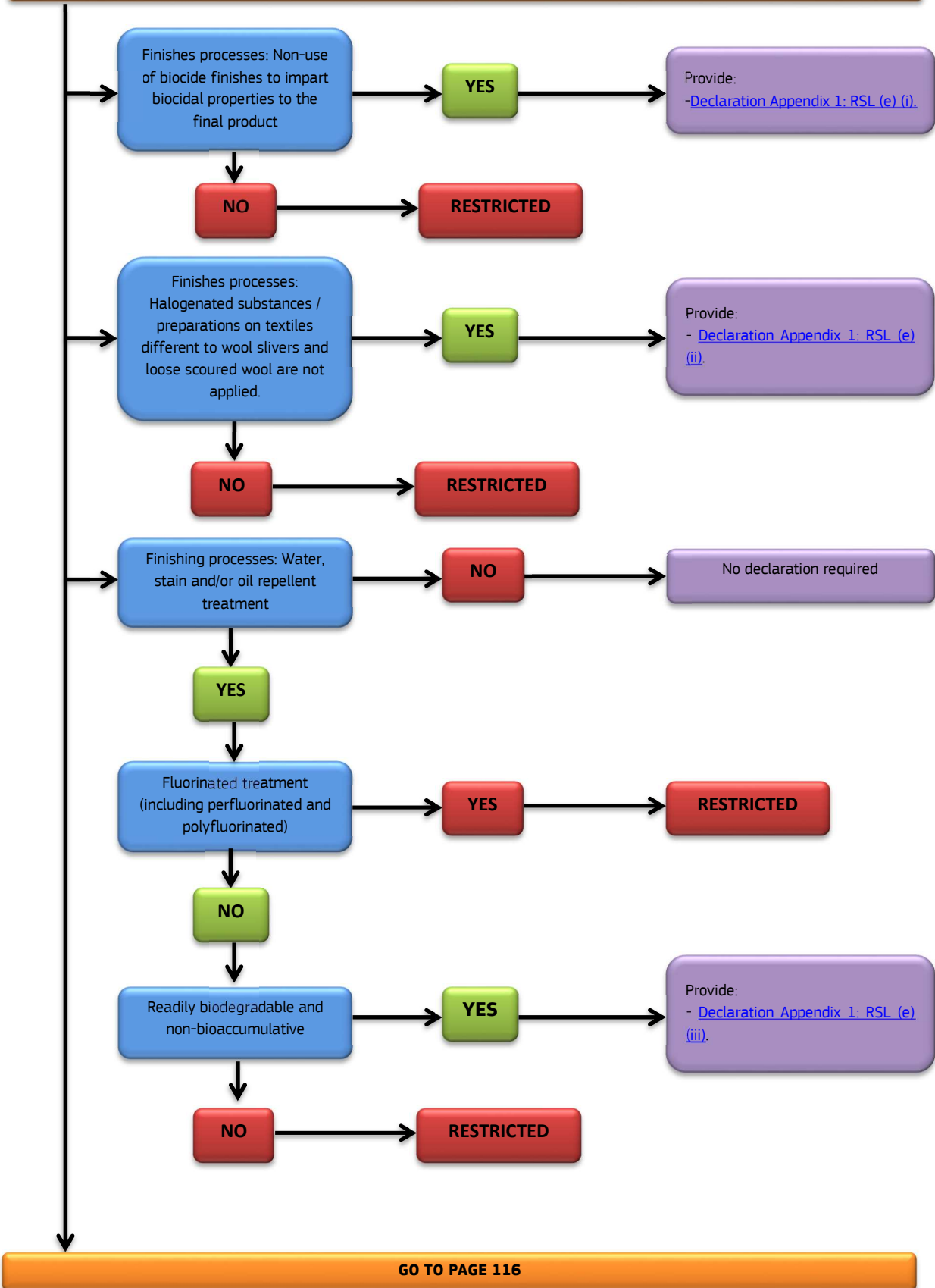


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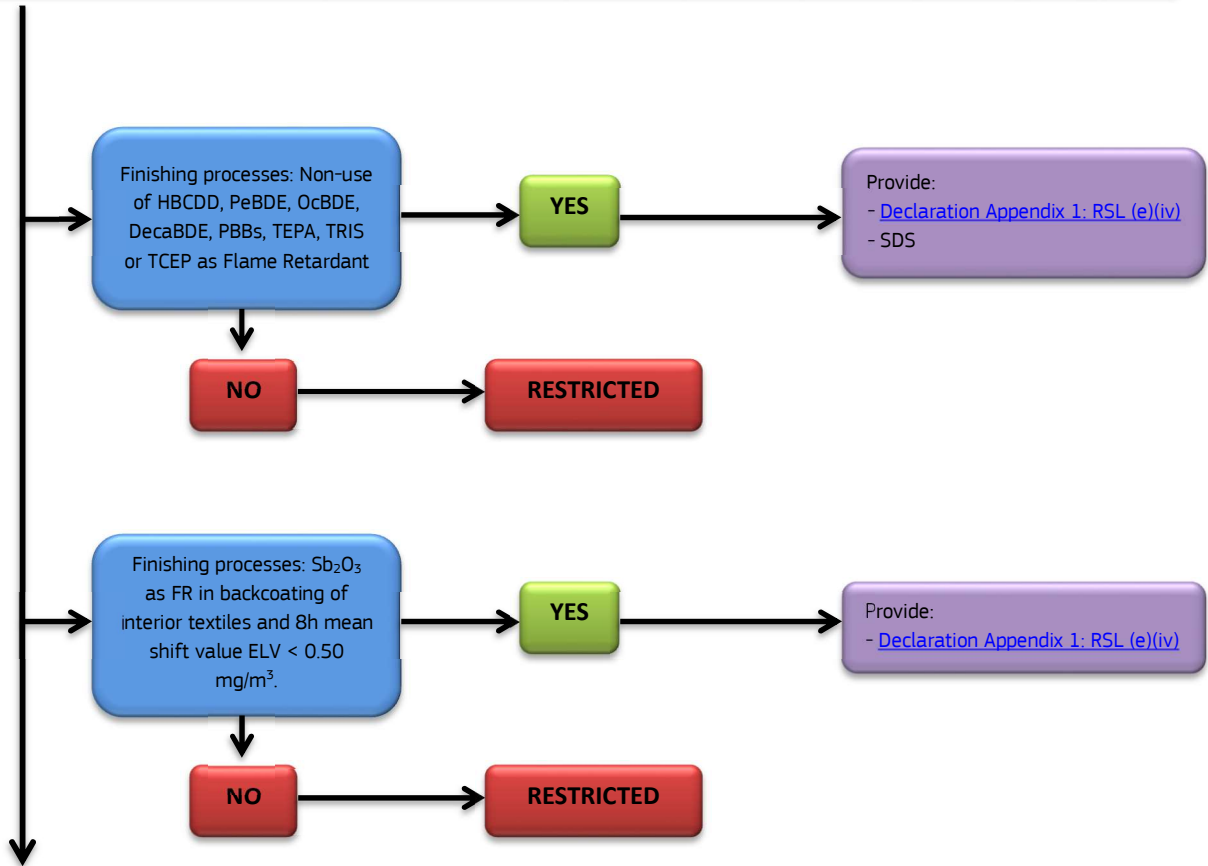
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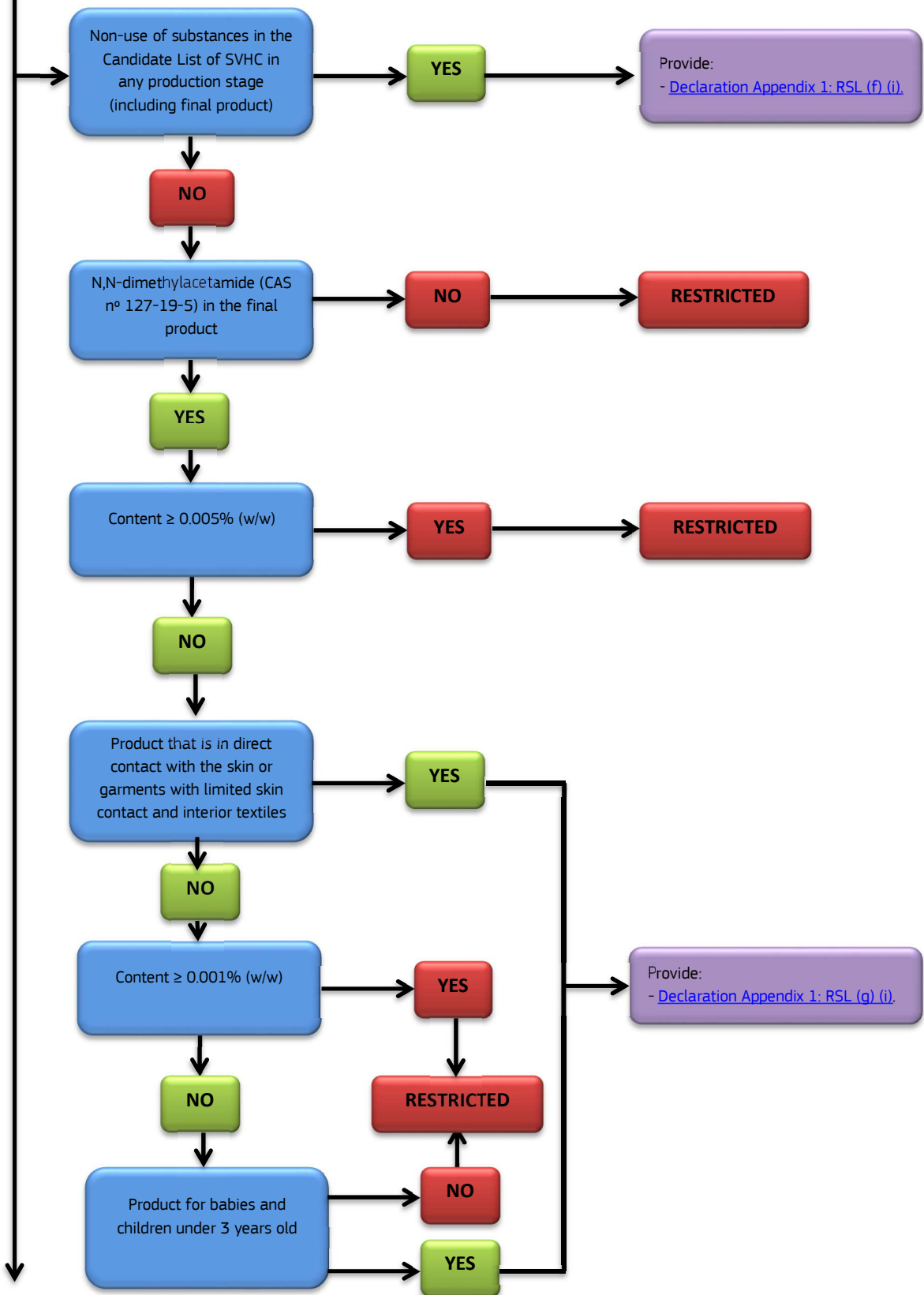
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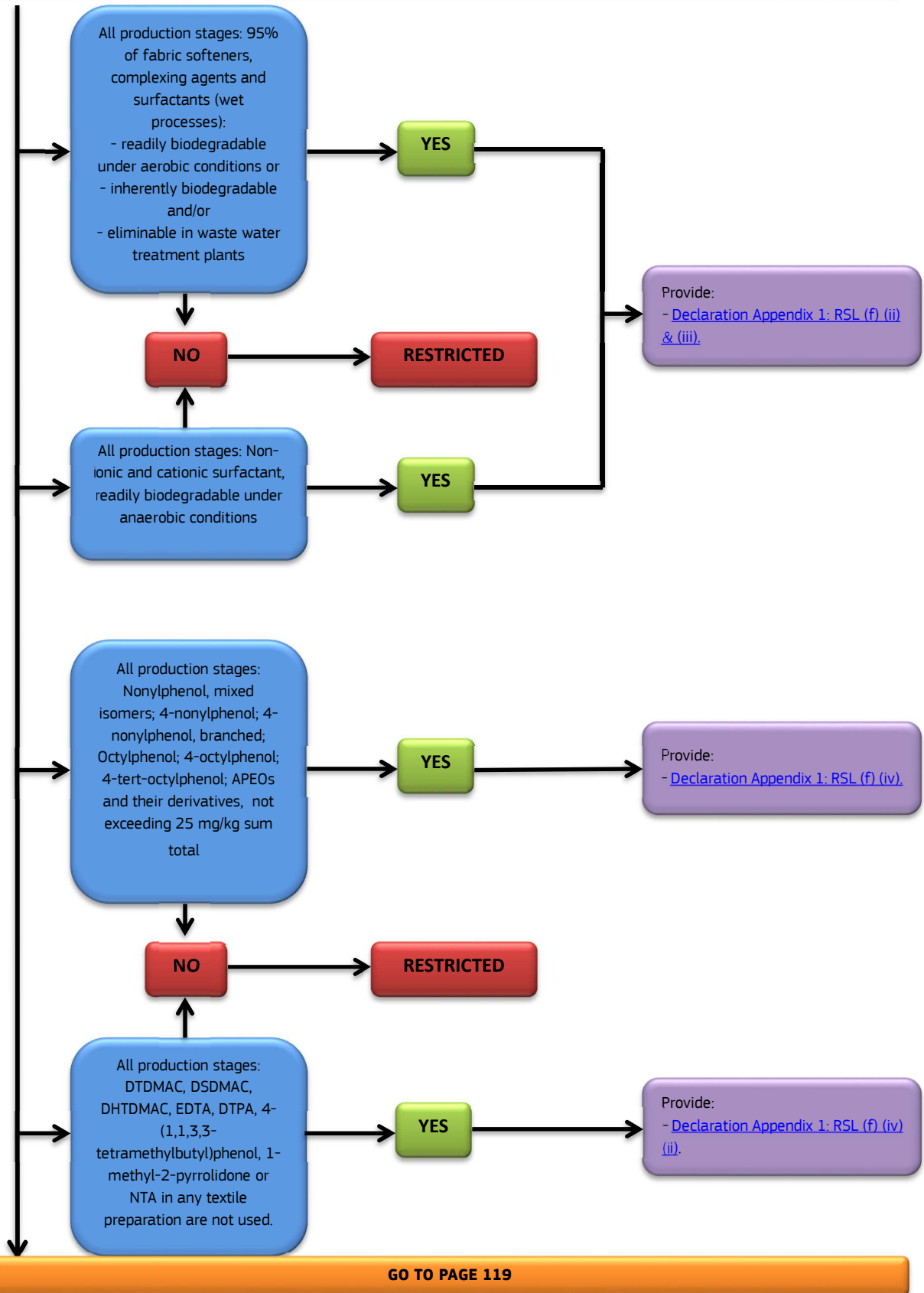
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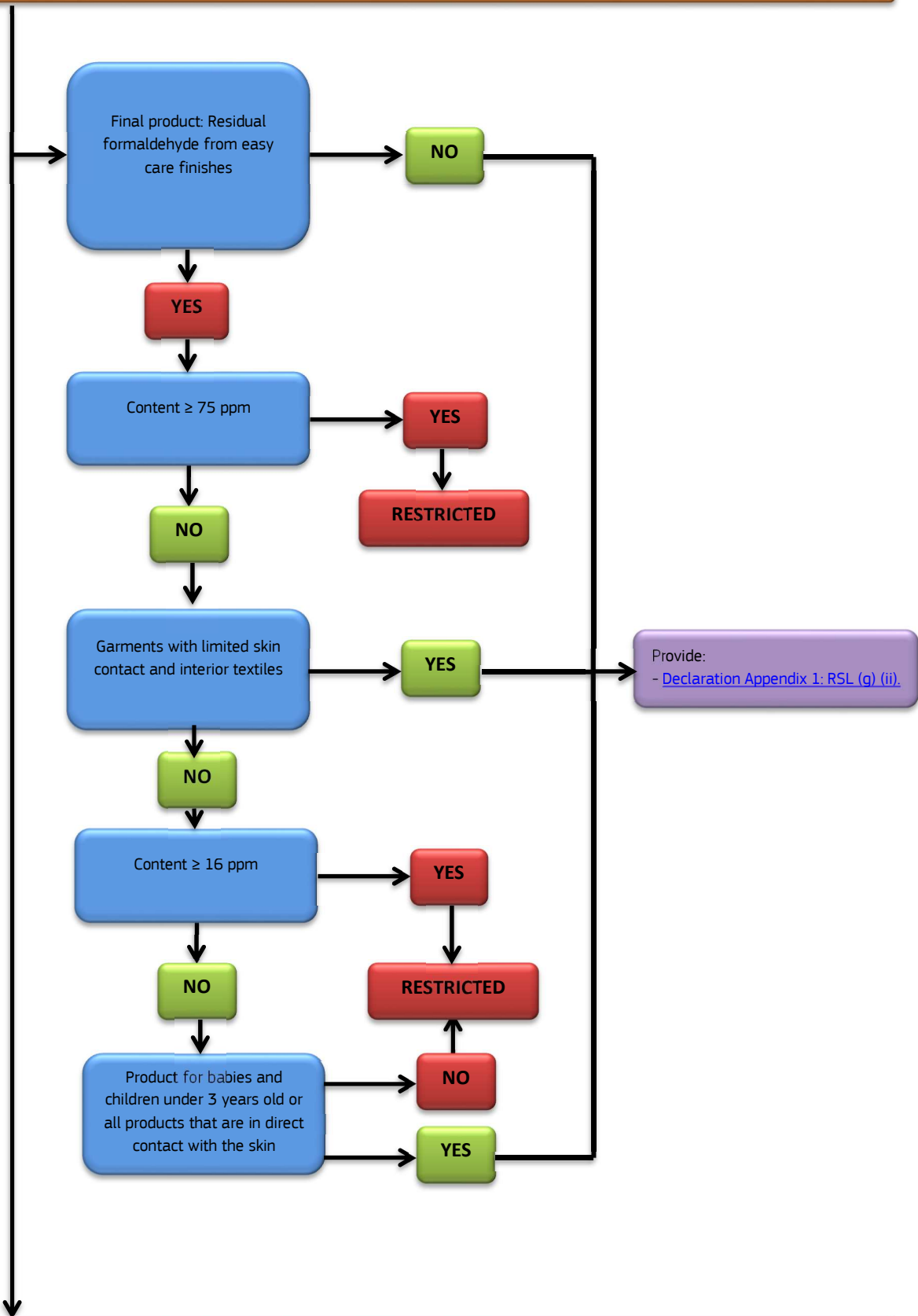


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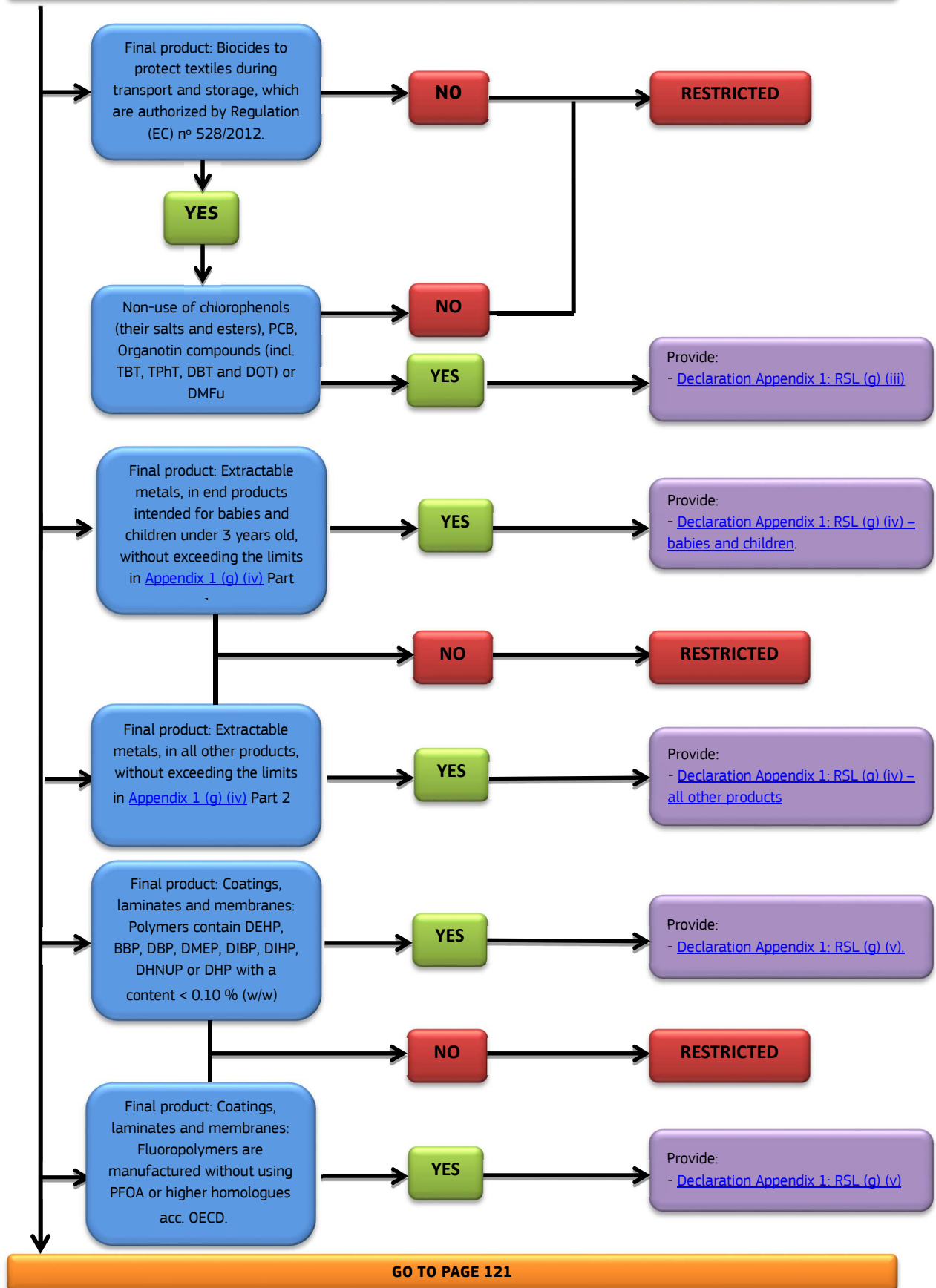


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