

## RSL template updated per 2026

### Introduction

The purpose of this Company Restricted Substance List (RSL) template, as a supplementary tool, to facilitate for companies, without prior knowledge in chemistry, to draw up their product-specific RSL in contact with their suppliers and value chains.

The aim with this RSL template is to set limits for the occurrence and phasing out unwanted hazardous and in several cases regulated chemicals that may occur and be used in the company's products.

This RSL template is updated every six months. It is based on the below limit model;

#### *Different types of limits and their different meanings:*

##### **Legal limit**

*Above is illegal – below is legal.*

##### **Laboratory limits, such as LOD and LOQ**

*Above is detectable – below is not detectable.*

##### **Company limit**

*Above is not acceptable – below is acceptable.  
can be everything from legal limits down to usage ban.*

The commissioned lab must report according to the "laboratory limit" which in this RSL template is called "Lab. indicative limit value (mg/kg)". These lab limits should be the lab's reporting limits to the customer and NOT legal limits, as you as a customer only get a fail when the product is illegal and cannot be brought into the EU.

The company should have its own limits, so-called Company limits, which in this RSL template are called "NN requirement for suppliers", depending on the Company Chemicals Policy.

### Supplementary tools to this RSL template

**The chemical guide**, <https://www.textileimporters.se/vad-vi-gor/kemikalieguiden/>, is not a Restricted Substance List (RSL) but a guide that describes the various regulated chemicals that are relevant to the company's products, how they are regulated, how these chemicals are used and possible alternatives as well as applicable test methods for different materials.

This RSL template gives suggestions on how to more concretely set requirements for the various regulated chemicals that are described in the Chemicals Guide, as these proposed requirements are not so concretely specified in the Chemicals Guide. Thus, this RSL is a voluntary but useful supplement to the Chemical Guide. The use of the Chemicals Guide does not require any prior knowledge of chemistry.

**The IT based ChemAct Network tool**, <https://chemactnetwork.com/>, specifies relevant, hazardous and often regulated chemicals for each individual component and composition, where this RSL template can also be a useful supplement. The use of ChemAct does not require any prior knowledge of chemistry.

**General Requirements for all materials**

NN sells products world wide. All suppliers to NN must be in compliance with regulations in all markets NN operate.

**List of Chemical Substances Compliance**

All suppliers to NN, who are process owners, must keep record of all chemical substances used in production and all associated processes. This list shall include name of the chemical product, the purpose/area of use and a reference to a Material Safety Data Sheet (MSDS).

Suppliers can and will be asked to submit this list to CSR or an accredited auditor for inspection. The buying and product departments reserve the right to ask for additional documentation, showing the chemicals that have been used during production.

**Follow up routines**

The standards described in this document are applicable on all orders at all times, valid from the time of written confirmation.

**Test methods** – Tests according to the latest published European standard (EN) and/or ISO test methods.

In case there is no EN and/or ISO standard available *«not yet available»* the laboratory used by NN, the checklist for lab, annex 18, should be used to ensure the quality of the lab that is used by NN.

In case of differing test result, the test performed by NN will be valid.

In case of quality dispute; 3rd party documentation will be required. 3rd party test results will not be required unless requested.

**General requirement for Chemicals of Concern (CoC)**

Substances hazard classified as persistent, bioaccumulative and toxic (**PBT**), very persistent and very bioaccumulative (**vPvB**), persistent, mobile and toxic (**PMT**), carcinogenic, mutagenic and toxic for reproduction (**CMR**), endocrine disruptors (**ED**) or equivalent concern must not be present in NN products.

## LEGAL BACKGROUND

### UN global treaties on certain hazardous chemicals such as Persistent Organic Pollutants (POPs)

#### UN global treaties on certain hazardous chemicals such as POPs

Stockholm Convention on Persistent Organic Pollutants is an international environmental treaty, signed in 2001 and effective from May 2004, that aims to eliminate or restrict the production and use of persistent organic pollutants (POPs).

The Rotterdam Convention (formally, the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade) is a multilateral treaty to promote shared responsibilities in relation to importation of hazardous chemicals.

The Minamata Convention on Mercury is a global treaty to protect human health and the environment from the adverse effects of mercury.

#### EU/EEA chemicals regulations

There is a range of chemicals regulations in EU/EEA that cover requirements of articles and/or chemical products depending on to what extent certain hazardous chemicals pose possible unacceptable risk to users and the environment under normal foreseeable conditions/use.

#### Such regulatory frame works are

- REACH (EU Regulation 1907/2006) and [its](#) amendments
- EU POP regulation (EU Regulation [Regulation \(EU\) 2019/1021](#)) and related amendments
- Biocide Product regulation (EU Regulation 528/2012) and [its](#) amendments.
- [Regulation \(EU\) 2025/40 of the European Parliament and of the Council of 19 December 2024 on packaging and packaging waste \(PPWR\) and its amendments](#)
- RoHS Directive (2011/65 / EU) restricting the presence of hazardous chemical substances in electrical and electronic equipment.
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#### Restrictions (EU/EEA)

Restrictions are regulatory measures to protect human health and the environment from unacceptable risks posed by chemicals. Restrictions may limit or ban the manufacture, placing on the market or use of a substance. A restriction can apply to any substance on its own, in a mixture or in an article, including those that do not require registration. Restrictions setting out conditions for the placing on the market of substances apply to both domestic production and imports.

#### Duty to inform your customer on substances for authorisation (EU/EEA)

Substances of Very High Concern (SVHC) are listed on Candidate List for authorization of the Regulation (EC) No 1907/2006 (REACH). All professional actors have an obligation to inform their consumers about the content of SVHC (as a minimum the name of the substance(s)) exceeding 0.1 % weight by weight (= 1000 mg/kg) in individual parts of an article, that are defined as articles. If the consumers are professional actors, there is an immediate information duty, but within 45 days for private consumers.

## United States (USA)

**The Toxic Substances Control Act of 1976** is a US Federal law that provides US EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides.

The official text of TSCA as amended by the Frank R. Lautenberg Chemical Safety Act of the 21st Century is available in the United States Code, from the U.S. Government Printing Office TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon, mercury and lead (such as lead based paint).

**TSCA restriction:** means that the substance is restricted in TSCA.

**TSCA assessment:** Chemicals that have been designated as a high priority or for which risk evaluation has begun. “Draft Scope”: EPA has published a draft scope document for public comment. “Final Scope”: EPA has published a final scope document (or problem formulation for the first 10). “Draft risk evaluation”: EPA has published a draft risk evaluation. “Final risk evaluation”: EPA has completed a final risk evaluation.

**California Proposition 65**, officially known as the Safe Drinking Water and Toxic Enforcement Act of 1986, was enacted as a ballot initiative in November 1986. The proposition protects the state's drinking water sources from being contaminated with chemicals known to cause cancer, birth defects or other reproductive harm, and requires businesses to inform Californians about exposures to such chemicals.

Proposition 65 requires the state to maintain and update a list of chemicals known to the state to cause cancer or reproductive toxicity.

## PFAS regulations in USA – federal and states

For US federal regulations of PFAS, see the following link, <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>

For ongoing and decided PFAS regulations in US states, see the following link, <https://www.saferstates.org/bill-tracker/>

## List of Regulated Substances

**Table 1** provides a non product specific overview of material relevant regulated chemicals for their possible occurrence in different materials.

**Table 2** is an extensive list of hazardous and often regulated chemicals in EU/EEA and USA, with relevance to materials used in NN products. It provides

- Latest published CEN/ISO test methods for textiles, leather and footwear
- Suggestions for NN company limits to be applied in value chains depending on the NN chemicals policy
- Legal status e.g SVHC, restricted etc

## Definitions in table 2

**CAS RN** - For every substance, the list states the identification number (CAS No) according to Chemical Abstract Services

**Several** – Is stated instead of CAS number, the substance has several substances and CAS numbers covered by the specification.

In case there is a defined range of regulated substances, these are listed in annexes, 1 to 13.

**Detection Limit** - Is defined as the lowest possible value that can be found during testing with a specific test method. Whenever test methods have been revised and the detection limit has been changed, the new detection limit must be followed.

The limits of detection (LOD) and quantification (LOQ) are defined as the lowest concentration of the analyte that can be reliably detected and quantified, respectively. Usually the LOD and LOQ refer to the limits associated with 95% probability of obtaining a correct result.

**Not Detected** - Substance stated with “Not Detected” as a requirement should not be found above the Detection Limit to be reflected in test reports.

**Usage ban** - When a substance is defined as “Usage ban” this means that the substance should not be present and used during production directly or indirectly through transformation in processes. Those substances cannot be present in the product over the Detection Limit.

**Restricted** means restricted according to EU/EEA harmonised chemicals regulations.

**SVHC** means Substances of Very High Concern (SVHC) that are listed on Candidate List for authorization of the Regulation (EC) No 1907/2006 (REACH).

**Limit value** – Limit values are based on the highest allowed content of the substance per kilogram article or part thereof.

**Not yet available** - For those chemicals that have no official standard testing method report the method used by the laboratories through **Annex 14 Checklist for laboratories** to answer .

**TSCA restriction or assessment:** (US Federal Toxic Substances Control Act) of existing chemicals

**Prop 65** means that the substance is listed in the Californian Proposition 65.

Table 1 – Non-product specific overview of regulated risk chemicals for different materials <sup>1</sup>

| Chemical:   | Natural fibres incl. but not limited to: |       |      |      |         | Synthetic fibres incl. but not limited to: |           |         |         |          |                            |                 |                             |  |                        | Packaging material |          |                  |             |   |            |
|---|--|-------|------|------|---------|--|-----------|---------|---------|----------|----------------------------|-----------------|-----------------------------|--|------------------------|--------------------|----------|------------------|-------------|---|------------|
|   | Cotton                                   | Linen | Wool | Silk | Viscose | Polyester                                  | Polyamide | Acrylic | Acetate | Elastane | Natural & Synthetic Blends | Natural leather | Artificial & Coated leather | Plastics and other synthetic materials | Coating, Print & paint |                    | Finishes | Adhesives & Glue | Metal parts | Feather, Down, Rhinestones & Sequins etc. | Desiccants |
| AZO dyes  | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      |                    |          |                  |             |   |            |
| Allergenic dyes   |  |       |      |      |         | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      |                    |          |                  |             |   |            |
| Carcinogenic dyes (CMR)                                       | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      |                    |          |                  |             |   |            |
| Bisphenols  |  |       |      |      |         |  |           |         |         |          |                            |                 | ✓                           | ✓                                      | ✓                      | ✓                  |          |                  |             |   |            |
| DMFa, DMAC, NMP, NEP  |  |       |      |      |         |  |           |         |         | ✓        |                            |                 | ✓                           |  | ✓                      |                    |          |                  |             |   |            |
| NPEO, OPEO (APEO)   | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      | ✓                  | ✓        |                  | ✓           | ✓   | ✓          |
| Short (SCCP) and Medium Chained (MCCP) Chlorinated Paraffin's |  |       |      |      |         |  |           |         |         |          |                            |                 | ✓                           | ✓                                      | ✓                      |                    |          |                  |             |   |            |
| Formaldehyde  | ✓  | ✓     | ✓    |      | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      | ✓                  | ✓        |                  |             |   |            |
| Glutaraldehyde  |  |       |      |      |         |  |           |         |         |          |                            |                 | ✓                           |  |                        | ✓                  | ✓        |                  |             |   |            |
| Total Lead  | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      | ✓                  | ✓        | ✓                | ✓           | ✓   | ✓          |
| Total Cadmium   | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      | ✓                  | ✓        | ✓                | ✓           | ✓   | ✓          |
| Total Mercury   |  |       |      |      |         |  |           |         |         |          |                            |                 |                             |  |                        |                    |          |                  |             |   | ✓          |
| Extractable Heavy Metals****                                  | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               |                             |  |                        |                    |          |                  |             |   |            |
| Nickel Release  |  |       |      |      |         |  |           |         |         |          |                            |                 |                             |  |                        |                    |          | ✓                |             |   |            |
| Total Arsenic   | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               |                             |  |                        |                    |          |                  |             |   |            |
| Total Chromium VI   |  |       |      |      |         |  |           |         |         |          |                            | ✓               | ✓                           |  |                        |                    |          |                  |             |   | ✓          |
| PFAS  |  |       |      |      | ✓**     |  |           |         |         |          |                            | ✓               | ✓                           | ✓**                                    | ✓**                    | ✓**                |          |                  |             |   |            |
| PAH   |  |       |      |      |         |  |           |         |         |          |                            |                 | ✓                           | ✓                                      | ✓                      |                    | ✓        |                  |             | ✓   |            |
| Phthalates  |  |       |      |      |         |  |           |         |         |          |                            |                 | ✓                           | ✓                                      | ✓                      |                    | ✓        |                  |             | ✓   | ✓          |
| PVC detection (Beilstein)                                     |  |       |      |      |         |  |           |         |         |          |                            |                 | ✓                           | ✓                                      | ✓                      |                    |          |                  |             |   | ✓          |
| Quinoline***  | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       |          | ✓                          | ✓               | ✓                           | ✓                                      |                        |                    |          |                  |             |   |            |
| SOLVENTS / Volatile Organic Compounds (VOC)                   |  |       |      |      |         |  |           |         |         |          |                            |                 | ✓                           | ✓                                      | ✓                      | ✓                  | ✓        |                  |             | ✓   |            |
| Organotin Compounds   | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           | ✓                                      | ✓                      |                    | ✓        |                  |             |   |            |
| Chlorinated Phenols   | ✓  | ✓     | ✓    | ✓    | ✓       |  |           |         |         |          | ✓                          | ✓               | ✓                           |  |                        |                    |          |                  |             |   | ✓          |
| Dimethylfumarate (DMFu)                                       | ✓  | ✓     | ✓    | ✓    | ✓       | ✓  | ✓         | ✓       | ✓       | ✓        | ✓                          | ✓               | ✓                           |  |                        |                    | ✓        |                  |             |   | ✓          |

<sup>1</sup> For more specific listing of relevant hazardous chemicals in NN components and compositions, use tools such as ChemAct, <https://chemactnetwork.com/>

|                   |  | Packaging material  | ✓ | ✓ |
|-------------------|--|---|---|---|
|                   |  | Desiccants  |   | ✓ |
|                   |  | Fusion, Padding, Feather & Down, Rhinestones & Sequins etc. | ✓ |   |
|                   |  | Metal parts   |   |   |
|                   |  | Adhesives & Glue  | ✓ |   |
|                   |  | Finishes  | ✓ |   |
|                   |  | Coating, Print & paint                                      | ✓ |   |
|                   |  | Plastics and other synthetic materials                      |   |   |
|                   |  | Artificial & Coated Leather                                 |   |   |
|                   |  | Natural Leather   |   |   |
|                   |  | Natural & Synthetic Blends                                  |   |   |
|                   |  | Elastane  |   |   |
|                   |  | Acetate   |   |   |
|                   |  | Acrylic   | ✓ |   |
|                   |  | Polyamide   |   |   |
|                   |  | Polyester   |   |   |
|                   |  | Viscose   |   |   |
|                   |  | Silk  |   |   |
|                   |  | Wool  |   |   |
|                   |  | Linen   |   |   |
|                   |  | Cotton  |   |   |
| Chemical:         |  |   |   |   |
| Cobalt Dichloride |  |   |   |   |
| Biocides          |  |   |   |   |

\* Relevant for rubber

\*\* Relevant for 1) stain, oil and water repellent finishes or coatings on fabrics 2) antistatic treatments 3) flame retardance  
(more potential uses under investigation)

\*\*\* Applies only to dyed materials

\*\*\*\* Extractable arsenic, cadmium, lead, and chromium VI. ONLY applies to textile materials.

**Table 2 – List of regulated substances**

| <b>EU/EEA regulated substances relevant to NN products</b>           | <b>CAS RN</b> | <b>Latest published:<br/>CEN/ISO test methods</b>   | <b>NN require ment for suppliers</b> | <b>Lab. indicative limit value (mg/kg)</b> | <b>Legal status</b>    |
|--|---------------|---|--------------------------------------|--|------------------------|
| Alkylphenol ethoxylates (APEO) and derivatives.<br>Alkylphenols (AP) | Annex 1       | EN ISO 18254-1:2016 (textile, APEO)<br><br>EN ISO 18254-2:2019 (textile), (APEO)<br><br>EN ISO 21084:2019 (textile), (AP)<br><br>EN ISO 18218-1:2023 (APEO direct method, leather)<br><br>EN ISO 18218-2:2019 (APEO indirect method, leather) | Usage ban                            | < <sup>2</sup> 10                          | Annex 1                |
| Arsenic compounds  | Annex 2       | EN 16711-1:2015 (total content, textiles)<br><br>EN 16711-2:2015 (extractable content, textile)<br><br>EN ISO 17072-1:2019 (extractable content, leather)<br><br>EN ISO 17072-2:2022 (total content, leather)                                 | Usage ban                            | < 10                                       | Annex 2<br><br>Prop 65 |
| Bisphenols   | Annex 3       | EN ISO 11936:2023 (leather)   | Usage ban                            | < 10                                       | Annex 3                |

<sup>2</sup> < means "less than"

| EU/EEA regulated substances relevant to NN products                            | CAS RN    | Latest published:<br>CEN/ISO test methods | NN requirement for suppliers | Lab. indicative limit value (mg/kg) | Legal status    |
|--|-----------|---|------------------------------|-------------------------------------|-----------------|
| C,C'-azodi(formamide) (ADCA)   | 123-77-3  | Not yet available                         | Usage ban                    | < 200                               | SVHC            |
| Bis( $\alpha,\alpha$ -dimethylbenzyl) peroxide<br>also called Dicumyl peroxide | 80-43-3   | Not yet available                         | Usage ban                    | < 100                               | SVHC            |
| Ethylenediamine (EDA)  | 107-15-3  | Not yet available                         | Usage ban                    | < 100                               | SVHC            |
| Ethylenethiourea   | 96-45-7   | Not yet available                         | Usage ban                    | < 20                                | SVHC<br>Prop 65 |
| 2-Ethoxyethanol  | 110-80-5  | Not yet available                         | Usage ban                    | < 200                               | SVHC            |
| Formamide  | 75-12-07  | Not yet available                         | Usage ban                    | < 50                                | SVHC            |
| Hydrazine  | 302-01-2  | Not yet available                         | Usage ban                    | < 200                               | SVHC            |
| 1-vinylimidazole   | 1072-63-5 | Not yet available                         | Usage ban                    | < 200                               | SVHC            |
| 2-methylimidazole  | 693-98-1  | Not yet available                         | Usage ban                    | < 200                               | SVHC            |
| 2-methoxyethyl acetate   | 110-49-6  | Not yet available                         | Usage ban                    | < 100                               | SVHC            |

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| EU/EEA regulated substances relevant to NN products | CAS RN   | Latest published:<br>CEN/ISO test methods                 | NN requirement for suppliers  | Lab. indicative limit value (mg/kg) | Legal status  |
|---|----------|---|---|-------------------------------------|---|
| Bis(2-(2-methoxyethoxy)ethyl)ether                  | 143-24-8 | Not yet available   | Usage ban   | < 200                               | SVHC  |
| PAH - Polycyclic aromatic hydrocarbons              | Annex 4  | EN 17132:2019 (textile)<br>EN ISO 16190:2021 (footwear)   | Usage ban of compounds that can generate PAH                        | < 0.2                               | Annex 4<br>Prop 65  |
| Quinoline   | 91-22-5  | <a href="#">EN ISO 13144:2025 (textile)</a>               | Usage ban   | < 10                                | Restricted<br>Prop 65   |
| Solvents - Aliphatic organic solvents               | Several  | EN ISO 20686:2025 (footwear)                              | Usage ban of Cyclohexane (CAS RN 110-82-7)                          | < 0.5                               | Restricted is Cyclohexane (CAS RN 110-82-7)<br><a href="#">SVHC is n-hexane (CAS RN 110-54-3)</a>       |
| Solvents - Aromatic organic solvents                | Several  | EN 17131-2:2025 (textile)<br>EN ISO 20686:2025 (footwear) | Usage ban of benzene (CAS RN 71-43-2) and Toluene (CAS RN 108-88-3) | < 0.5                               | Restricted in EU/EEA are: benzene (CAS RN 71-43-2) and Toluene (CAS RN 108-88-3)<br>Prop 65 for benzene |
| Solvents - Chlorinated organic solvents             | Annex 5  | EN 17137:2024 (textile)<br>EN ISO 20686:2025 (footwear)   | Usage ban of listed in annex 4 and Prop 65                          | < 0.5                               | Annex 5<br>Several are listed in Prop 65  |
| Solvents – 1,4 dioxane                              | 123-91-1 | Not yet available   | Usage ban   | < 100                               | SVHC<br>TSCA assessment   |

| EU/EEA regulated substances relevant to NN products  | CAS RN                                | Latest published:<br>CEN/ISO test methods  | NN requirement for suppliers | Lab. indicative limit value (mg/kg) | Legal status   |
|--|---------------------------------------|--|------------------------------|-------------------------------------|--|
| Solvents - DMFa (N,N-dimethylformamide)  | 68-12-2                               | EN 17131-1:2025 (textile)<br><br>EN ISO 16189:2021 (footwear)<br><br>EN 16778:2016 (gloves)            | Usage ban                    | < 10                                | SVHC and restricted<br><br>Prop 65   |
| Solvents - DMAC (N,N-dimethylacetamide)  | 127-19-5                              | EN 17131-1:2025 (textile)  | Usage ban                    | < 10                                | SVHC and restricted<br><br>Prop 65   |
| Solvents - NMP (N-methyl-2-pyrrolidone)<br><br>NEP (N-ethyl-2-pyrrolidone)                                     | 872-50-4 (NMP)<br><br>2687-91-4 (NEP) | EN 17131-1:2025 (textile)<br><br>EN ISO 19070:2016 (leather)   | Usage ban                    | < 25                                | For NMP:<br>SVHC and restricted<br><br>Prop 65<br><br>TSCA assessment<br><br>NEP is restricted in the REACH regulation for chemical products |
| N-(hydroxymethyl)acrylamide  | 924-42-5                              | Not yet available  | Usage ban                    | < 100                               | SVHC   |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol   | 119-47-1                              | Not yet available  | Usage ban                    | < 200                               | SVHC   |
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol<br><br>Phenol, methylstyrenated | <br><br>68512-30-1                    | Not yet available  | Usage ban                    | < 200                               | SVHC   |
| Tin organic compounds (Organostannic compounds)  | Several                               | EN ISO 22744-1:2020 (textile)<br><br>EN ISO 22744-2:2020 (textile)<br><br>EN ISO 16179:2025 (footwear) | Usage ban                    | < 0.2                               | SVHC and restricted  |

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| EU/EEA regulated substances relevant to NN products  | CAS RN      | Latest published:<br>CEN/ISO test methods  | NN requirement for suppliers | Lab. indicative limit value (mg/kg) | Legal status   |
|--|-------------|--|------------------------------|-------------------------------------|--|
| tris(2-methoxyethoxy)vinylsilane   | 1067-53-4   | Not yet available  | Usage ban                    | < 200                               | SVHC   |
| Allergenic dyes ( <a href="#">strong skin sensitizers</a> )  | Annex 6     | EN ISO 16373-2:2014 (textile)<br><br>Optional to apply to EN ISO 16373-2:2014 (textile)<br><br>DIN 54231:2022-09 | Usage ban                    | < 20                                | Annex 6<br>Prop 65   |
| Restricted arylamines related to azo dyes  | Annex 7     | EN ISO 14362-1, 3:2017 (textile)<br>EN ISO 17234 - 1:2024 (leather)<br><br>EN ISO 17234-2:2011 (leather)         | Usage ban                    | < 10                                | Annex 7<br>Prop 65   |
| Benzotriazols (UV-320, UV-326, UV-327, UV-328, UV-329 and UV-350)  | Annex 8     | ISO 24040:2022 (textiles)  | Usage ban                    | < 50                                | SVHC<br><br>UV-328 is restricted in the Stockholm Convention and in EU POP |
| 3-benzylidene camphor (1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1] heptan-2-one)<br><br>(abbr: 3-BC) | 15087-24-8  | Not yet available  | Usage ban                    | < 100                               | SVHC   |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one                       | 119344-86-4 | Not yet available  | Usage ban                    | < 100                               | SVHC   |
| Boric acid, borate compounds   | Several     | Not yet available  | Usage ban                    | < 25                                | SVHC and restricted  |

| EU/EEA regulated substances relevant to NN products        | CAS RN                                   | Latest published:<br>CEN/ISO test methods   | NN requirement for suppliers | Lab. indicative limit value (mg/kg)                     | Legal status                       |
|--|--|---|------------------------------|---|------------------------------------|
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone        | 119313-12-1                              | Not yet available   | Usage ban                    | < 100   | SVHC                               |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one   | 71868-10-5                               | Not yet available   | Usage ban                    | < 100   | SVHC                               |
| Cadmium (Cd) and cadmium salts                             | 7440-43-9 (cadmium metal)<br><br>Several | EN 16711-1:2015 (total content, textiles)<br><br>EN 16711-2:2015 (extractable content, textile)<br><br>EN ISO 17072-1:2019 (extractable content, leather)<br><br>EN ISO 17072-2:2022 (total content, leather) | Usage ban                    | < 10 (total content)<br><br>< 0.1 (extractable content) | SVHC and restricted<br><br>Prop 65 |
| Cobalt (Co) and its compounds                              | 7440-48-4 (cobalt metal)<br><br>Several  | EN 16711-1:2015 (total content, textiles)<br><br>EN 16711-2:2015 (extractable content, textile)<br><br>EN ISO 17072-1:2019 (extractable content, leather)<br><br>EN ISO 17072-2:2022 (total content, leather) | Usage ban                    | < 10 (total content)                                    | SVHC                               |
| CMR, Carcinogenic, Mutagenic, Reproductive toxic dyestuffs | Annex 9                                  | EN ISO 16373-2:2014 (textile)<br><br>Optional to apply to EN ISO 16373-2:2014 (textile)   | Usage ban                    | < 20  | Annex 9                            |

| EU/EEA regulated substances relevant to NN products  | CAS RN            | Latest published:<br>CEN/ISO test methods   | NN requirement for suppliers  | Lab. indicative limit value (mg/kg) | Legal status                            |
|--|-------------------|---|---|-------------------------------------|---|
|  |                   | DIN 54231:2022-09   |   |                                     |   |
| Chloroparaffins  | 85535-84-8 (SCCP) | EN ISO 22818:2021 (textile)   | Usage ban   | < 100                               | SVHC and restricted<br>Prop 65          |
|  | 85535-85-9 (MCCP) | EN ISO 18219-1:2021 (SCCP, leather),<br>EN ISO 18219-2:2021 (MCCP, leather)   | Usage ban   | < 100                               | SVHC <u>and restricted</u><br>Prop 65   |
| Chromium VI  | 18540-29-9        | EN ISO 17075-1,-2:2017 (leather)<br>EN ISO 10195:2021 (leather)   | Usage ban of chrome tanned leather  | < 0.5                               | SVHC and restricted<br>Prop 65          |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide  | 75980-60-8        | Not yet available   | Usage ban   | < 100                               | SVHC                                    |
| Dechlorane <sup>TM</sup> Plus (1,6,7,8,9,14,15,16,17,17,18,18 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10] octadeca-7,15-diene) | 13560-89-9        | Not yet available   | Usage ban   | < 100                               | SVHC                                    |
| Formaldehyde   | 50-00-0           | EN ISO 14184-1:2011(Free and hydrolysed water extracted formaldehyde in textiles)<br>EN ISO 14184-2:2011 (formaldehyde emissions from textiles)<br>EN ISO 14184-3:2023 (Free and hydrolysed extracted | Usage ban of compounds so called formaldehyde releasers, that transform into formaldehyde | < 15                                | Annex 10<br>TSCA restriction<br>Prop 65 |

| EU/EEA regulated substances relevant to NN products | CAS RN   | Latest published:<br>CEN/ISO test methods   | NN requirement for suppliers | Lab. indicative limit value (mg/kg)                                 | Legal status   |
|---|--|---|------------------------------|---|--|
|   |  | formaldehyde in textiles using HPLC)<br><br>EN ISO 17226-1:2021(leather)<br><br>EN ISO 17226-2:2019 (leather)<br><br>EN ISO 17226-3:2011(formaldehyde emissions from leather)                                 |                              |   |  |
| Glutaraldehyde                                      | 111-30-8   | Not yet available   | Usage ban                    | < 200   | SVHC   |
| Melamine  | 108-78-1   | Not yet available   | Usage ban                    | < 200   | SVHC   |
| Hexabromocyclododecan (HBCDD)                       | 25637-99-4,<br>3194-55-6,<br>134237-50-6,<br><br>134237-51-7<br>and<br><br>134237-52-8 | EN ISO 17881-1:2016 (textile)   | Usage ban                    | < 20  | Restricted<br><br>TSCA assessment                          |
| Lead (Pb) and lead salts                            | 7439-92-1 (lead metal)<br><br>Several  | EN 16711-1:2015 (total content, textiles)<br><br>EN 16711-2:2015 (extractable content, textile)<br><br>EN 16711-3:2019 (migrated content, textiles)<br><br>EN ISO 17072-1:2019 (extractable content, leather) | Usage ban                    | < 10 mg/kg (total content)<br><br>< 0.1 mg/kg (extractable content) | SVHC and restricted<br><br>TSCA restriction<br><br>Prop 65 |

| EU/EEA regulated substances relevant to NN products | CAS RN    | Latest published:<br>CEN/ISO test methods   | NN requirement for suppliers | Lab. indicative limit value (mg/kg)                                  | Legal status                                |
|---|-----------|---|------------------------------|--|---|
|   |           | EN ISO 17072-2:2022 (total content, leather)  |                              |  |   |
| Mercury (Hg)  | 7439-97-6 | EN 16711-1:2015 (total content, textiles)<br><br>EN 16711-2:2015 (extractable content, textile)<br><br>EN ISO 17072-1:2019 (extractable content, leather)<br><br>EN ISO 17072-2:2022 (total content, leather) | Usage ban                    | < 10 mg/kg (total content)<br><br>< 0.02 mg/kg (extractable content) | SVHC and restricted<br><br>TSCA restriction |
| Nickel (Ni), in accessories                         | 7440-02-0 | EN 12472:2020 (ageing of coated samples)<br><br>and<br><br>EN 1811:2023 (for coated and non coated items)   | Usage ban                    | < 0.02 µg/cm <sup>2</sup> /week 1                                    | Restricted<br><br>Prop 65                   |

| EU/EEA regulated substances relevant to NN products                      | CAS RN          | Latest published:<br>CEN/ISO test methods   | NN requirement for suppliers | Lab. indicative limit value (mg/kg)                     | Legal status |
|--|-----------------|---|------------------------------|---|--------------|
| Per and polyfluorinated alkyl substances (PFAS)                          | Annex 11 and 12 | <p>Targeted analysis of PFAS:</p> <p>EN 17681-1:2025 (targeted PFAS, textiles)</p> <p>EN ISO 23702-1:2023 (leather)</p> <p>Non targeted analysis of PFAS:</p> <p>EN 14582:2016; (Total fluorine, Combustion with calorimetric bomb at (1 050 ± 50) °C)</p> <p>OR</p> <p>EN 17813:2023; (Total fluorine ,Oxidative pyrohydrolytic combustion at (1 050 ± 50) °C)</p> | Usage ban                    | <p>&lt; 0,01 (PFCA and PFSA)</p> <p>&lt; 0,1 (FTOH)</p> | Annex 12     |
| Ortho-phthalate esters   | Annex 13        | <p>EN ISO 14389:2022 (textile)</p> <p>EN ISO 16181-1, -2:2021 (footwear)</p>  | Usage ban                    | < 50  | Annex 13     |
| Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE) | Annex 14        | EN ISO 17881-1:2016 (textile)   | Usage ban                    | < 10  | Annex 14     |

| EU/EEA regulated substances relevant to NN products   | CAS RN               | Latest published:<br>CEN/ISO test methods   | NN requirement for suppliers | Lab. indicative limit value (mg/kg) | Legal status            |
|---|----------------------|---|------------------------------|-------------------------------------|-------------------------|
| bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof<br><br>Bis(2-ethylhexyl) tetrabromophthalate | Several              | EN ISO 17881-1:2016 (textile)   | Usage ban                    | <100                                | SVHC                    |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol also called TBBPA  | 79-94-7              | EN ISO 17881-1:2016 (textile)   | Usage ban                    | < 100                               | SVHC<br>TSCA assessment |
| 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]  | 37853-59-1           | EN ISO 17881-1:2016 (textile)   | Usage ban                    | < 100                               | SVHC                    |
| <u>1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)</u>   | <u>84852-53-9</u>    | <u>EN ISO 17881-1:2016 (textile)</u>  | <u>Usage ban</u>             | <u>&lt; 100</u>                     | <u>SVHC</u>             |
| 2,2-bis(bromomethyl)propane 1,3-diol (BMP)  | 3296-90-0            | EN ISO 17881-1:2016 (textile)   | Usage ban                    | < 100                               | SVHC                    |
| 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)  | 36483-57-5           | EN ISO 17881-1:2016 (textile)   | Usage ban                    | < 100                               | SVHC                    |
| 2,3-dibromo-1-propanol (2,3-DBPA)   | 1522-92-5<br>96-13-9 | EN ISO 17881-1:2016 (textile)   | Usage ban                    | < 100                               | SVHC                    |
| Siloxanes   | Annex 15             | Not yet available for textile and leather articles<br><br>EN ISO 23649:2025 specifies a method for determining the total content of the following cyclosiloxanes in chemicals | Usage ban                    | < 100                               | Annex 15                |

| EU/EEA regulated substances relevant to NN products   | CAS RN             | Latest published:<br>CEN/ISO test methods               | NN requirement for suppliers | Lab. indicative limit value (mg/kg) | Legal status                           |
|---|--------------------|---|------------------------------|-------------------------------------|--|
|   |                    | and not articles, for the leather tanning industry.     |                              |                                     |  |
| Halogenated aryl phosphates – TCEP, TBPP, TCPP and TDCPP  | Annex 16           | EN ISO 17881-2:2016 (textile)                           | Usage ban                    | < 5                                 | Annex 16                               |
| Aryl phosphates   | Annex 17           | EN ISO 17881-2:2016 (textile)                           | Usage ban                    | < 5                                 | Annex 17                               |
| Tris(aziridinyl)phosphin oxide (TEPA)   | 545-55-1           | EN ISO 17881-2:2016 (textile)                           | Usage ban                    | < 5                                 | Restricted                             |
| <b>RESTRICTED and BANNED BIOCIDES (Product type 9 according to BPR, that include textiles, leather etc)</b> |                    |   |                              |                                     |  |
| Cu-HDO (Bis-(N-cyclohexyldiazaniumdioxo) – copper)  | 312600-89-8        | Not yet available                                       | Usage ban                    | < 20                                | Banned                                 |
| Carbendazim   | 10605-21-7         | Not yet available                                       | Usage ban                    | < 10                                | Banned                                 |
| Dimethylfumarate (DMFu)   | 624-49-7           | EN 17130:2019 (textile)<br>EN ISO 16186:2021 (footwear) | Usage ban                    | < 0,1                               | Restricted                             |
| Guanidine, N,N''-1,6-hexanediybis[N'-cyano-, polymer with 1,6-hexanediamine, hydrochloride (PHMB 1600; 1.8) | 27083-27-8         | Not yet available                                       | Usage ban                    | < 10                                | Banned                                 |
| Pentachlorophenol (PCP) and all isomers of Tetrachlorophenols (TeCP)  | 87-86-5<br>Several | EN 17134-2:2023 (textile)                               | Usage ban                    | < 0,1                               | Restricted<br>PCP is listed in Prop 65 |

| EU/EEA regulated substances relevant to NN products | CAS RN  | Latest published:<br>CEN/ISO test methods   | NN requirement for suppliers | Lab. indicative limit value (mg/kg) | Legal status                       |
|---|---|---|------------------------------|-------------------------------------|------------------------------------|
|   |   | EN ISO 17070:2015 (leather)<br>CEN/TR 14823:2003 (wood)<br>EN ISO 15320:2011 (pulp and paper) |                              |                                     |                                    |
| Permethrin  | 52645-53-1  | Not yet available   | Usage ban                    | < 5                                 | Banned PT9                         |
| Silver and its compounds                            | Several   | Not yet available   | Usage ban                    | < 10                                | Nano silver is banned              |
| Trisubstituted tin organic compounds                | Several   | EN ISO 22744-1,-2:2020 (textile)<br>EN ISO 16179:2025 (footwear)                              | Usage ban                    | < 0.2                               | Restricted                         |
| Triclosan   | 3380-34-5   | EN 17134-1:2024<br>(2-phenylphenol (OPP) and triclosan in textile materials)                  | Usage ban                    | < 10                                | Banned<br>OPP is listed in Prop 65 |
| 2-phenylphenol (OPP)                                | 90-43-7<br>13707-65-8 (potassium salt),<br>132-27-4 (sodium salt) | EN ISO 13365-1,-2:2020 (TCMTB, PCMC, OPP, OIT, content in leather)                            | Usage ban                    | < 10                                | Banned                             |
| Zincpyrithion                                       | 13463-41-7  | Not yet available   | Usage ban                    | < 100 as zinc                       |                                    |
| Bronopol  | 52-51-7   | Not yet available   | Usage ban                    | < 100                               | Banned                             |

| <b>EU/EEA regulated substances relevant to NN products</b>   | <b>CAS RN</b> | <b>Latest published:<br/>CEN/ISO test methods</b> | <b>NN requirement for suppliers</b> | <b>Lab. indicative limit value (mg/kg)</b> | <b>Legal status</b> |
|--|---------------|---|-------------------------------------|--|---------------------|
| Thiram   | 137-26-8      | Not yet available                                 | Usage ban                           | < 100                                      | Banned              |
| Metam-sodium ( (sodium N-methylthiocarbamate)  | 137-42-8      | Not yet available                                 | Usage ban                           | < 100                                      | Banned<br>Prop 65   |
| Parabenes  | Several       | Not yet available                                 | Usage ban                           | < 100                                      | Banned              |
| Polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415;4.7)) | Several       | Not yet available                                 | Usage ban                           | < 100                                      | Banned              |
| Sodium p-chloro-m-cresolate  | 15733-22-9    | Not yet available                                 | Usage ban                           | <100                                       | Banned              |

### Annex 1 - Alkylphenol ethoxylates (APEO) and derivatives

| Substances  | CAS RN   | Legal status        |
|---|----------|---------------------|
| 4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-OP)  | 140-66-9 | SVHC                |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (4-tert-OPnEO)  | Several  | SVHC                |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (4-tert-OPnEO, UVCB substance)  | Several  | SVHC                |
| 4-Nonylphenol, branched and linear (4-NP)   | Several  | SVHC                |
| 4-Nonylphenol, branched and linear, ethoxylated (4-NPnEO)   | Several  | SVHC and restricted |
| 4-tert-butylphenol  | 98-54-4  | SVHC                |
| Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | Several  | SVHC                |
| tris(4-nonylphenyl, branched and linear) phosphite (TNPP)   | Several  | SVHC                |

**Annex 2 – arsenic compounds**

| <b>Substance</b>    | <b>CAS RN</b> | <b>Legal status</b> |
|---------------------|---------------|---------------------|
| Arsenic acid        | 7778-39-4     | SVHC and restricted |
| Calcium arsenate    | 7778-44-1     | SVHC and restricted |
| Diarsenic Pentoxide | 1303-28-2     | SVHC and restricted |
| Diarsenic Trioxide  | 1327-53-3     | SVHC and restricted |
| Triethyl arsenate   | 15606-95-8    | SVHC and restricted |

### Annex 3 - Bisphenols

| Substance  | CAS RN         | Legal status        |
|--|----------------|---------------------|
| (4,4'-isopropylidenediphenol (BPA)   | 80-05-7        | SVHC and restricted |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane  | 6807-17-6      | SVHC                |
| 4,4'-(1-methylpropylidene)bisphenol (BPB)  | 77-40-7        | SVHC                |
| 4,4'-sulphonyldiphenol (BPS)   | 80-09-1        | SVHC                |
| Bis(4-chlorophenyl) sulphone   | 80-07-9        | SVHC                |
| <u>4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts (BPAF)</u> | <u>Several</u> | <u>SVHC</u>         |

#### Annex 4 - Poly aromatic hydrocarbons (PAH)

| Substances   | CAS RN     | Legal status        |
|--|------------|---------------------|
| Benzo(a)anthracene   | 56-55-3    | SVHC and restricted |
| Benzo(a)phenanthrene (chrysene)  | 218-01-9   | SVHC and restricted |
| Benzo(a)pyrene   | 50-32-8    | SVHC and restricted |
| Benzo(b)fluoranthene   | 205-99-2   | SVHC and restricted |
| Benzo(j)fluoranthene   | 205-82-3   | SVHC and restricted |
| Benzo(k)fluoranthene   | 207-08-9   | SVHC and restricted |
| Dibenzo(a,h)anthracene   | 53-70-3    | SVHC and restricted |
| Benzo[e]pyrene   | 192-97-2   | SVHC and restricted |
| Benzo[ghi]perylene   | 191-24-2   | SVHC                |
| Anthracene   | 120-12-7   | SVHC                |
| Fluoranthene   | 206-44-0   | SVHC                |
| Phenanthrene   | 85-01-8    | SVHC                |
| Pyrene   | 129-00-0   | SVHC                |
| Anthracene oil   | 90640-80-5 | SVHC                |
| Anthracene oil fraction<br>(a complex combination of the distillation of Anthracene) | 91995-17-4 | SVHC                |
| Anthracene oil, Anthracene paste, Anthracene fraction                                | 91995-15-2 | SVHC                |
| Anthracene oil, Anthracene-low   | 90640-82-7 | SVHC                |
| Anthracene oil, Anthracene paste   | 90640-81-6 | SVHC                |

### Annex 5 - Regulated chlorinated solvents

| Substances  | CAS-RN     | Legal status                       |
|---|------------|------------------------------------|
| Chloroform  | 67-66-3    | Restricted                         |
| 1,2-Dichloroethane  | 107-06-2   | TSCA assessment                    |
| 1,1-Dichloroethane  | 75-34-3    | TSCA assessment                    |
| 1,1,2 Trichloroethane   | 79-00-5    | Restricted TSCA assessment         |
| 1,1,2,2 Tetrachloroethane   | 79-34-5    | Restricted                         |
| 1,1,1,2 Tetrachloroethane   | 630-20-6   | Restricted                         |
| Pentachloroethane   | 76-01-07   | Restricted                         |
| 1,1 Dichloroethylene  | 75-35-4    | Restricted                         |
| 1,4-dichlorobenzene   | 106-46-7   | Restricted TSCA assessment         |
| Carbon tetrachloride  | 56-23-5    | Restricted TSCA assessment         |
| 1,1,1 Trichloroethane   | 71-55-6    | Restricted Prop 65                 |
| $\alpha,\alpha,\alpha,4$ -tetrachlorotoluene also called <i>p</i> -chlorobenzotrichloride | 5216-25-1  | Restricted                         |
| $\alpha,\alpha,\alpha$ -trichloro toluene also called benzo trichloride                   | 0098-07-07 | Restricted                         |
| $\alpha$ -chlorotoluene also called benzyl chloride                                       | 100-44-7   | Restricted                         |
| trans-1,2- Dichloroethylene   | 156-60-5   | TSCA assessment                    |
| Trichloroethylene   | 79-01-6    | SVHC TSCA assessment               |
| 1,2,3-trichloropropane  | 96-18-4    | SVHC                               |
| 1,2 dichlorethane   | 107-06-2   | Restricted Prop 65 TSCA assessment |
| 1,2-Dichloropropane   | 78-87-5    | TSCA assessment                    |
| Methylene Chloride  | 75-09-2    | TSCA assessment                    |

### Annex 6 - Allergenic dyestuffs

| Substances                    | CAS RN                 | Legal status |
|-------------------------------|------------------------|--------------|
| C.I. Disperse Yellow 1        | 119-15-3               |              |
| C.I. Disperse Blue 35         | 12222-75-2             | Restricted   |
| C.I. Disperse Blue 102        | 12222-97-8             |              |
| C.I. Disperse Blue 106        | 12223-01-7, 68516-81-4 |              |
| C.I. Disperse Yellow 39       | 12236-29-2             |              |
| C.I. Disperse Orange 37/59/76 | 13301-61-6             |              |
| C.I. Disperse Brown 1         | 23355-64-8             |              |
| C.I. Disperse Blue 3          | 2475-46-9              |              |
| C.I. Disperse Orange 1        | 2581-69-3              |              |
| C.I. Disperse Yellow 3        | 2832-40-8              |              |
| C.I. Disperse Red 11          | 2872-48-2              |              |
| C.I. Disperse Red 1           | 2872-52-8              |              |
| C.I. Disperse Red 17          | 3179-89-3              |              |
| C.I. Disperse Blue 7          | 3179-90-6              |              |
| C.I. Disperse Blue 26         | 3860-63-7,             |              |
| C.I. Disperse Yellow 49       | 54824-37-2,            |              |
| C.I. Disperse Blue 124        | 61951-51-7             | Restricted   |
| C.I. Disperse Yellow 9        | 6373-73-5              |              |
| C.I. Disperse Orange 3        | 730-40-5               |              |
| Navy Blue                     | 405-665-4 (EC #)       | Restricted   |
| C.I. Disperse Blue 1          | 2475-45-8              | Restricted   |
| C.I. Disperse Yellow 64       | 10319-14-9             |              |
| C.I. Disperse Violet 93       | 52697-38-8             |              |
| CI Disperse Yellow 23         | 6250-23-3              |              |
| CI Disperse Violet 1          | 128-95-0               |              |
| CI Disperse Blue 291          | 56548-64-2             |              |
| CI Disperse Orange 149        | 85136-74-9             |              |

**Annex 7 - Banned arylamines derived from certain azo dyes**

| <b>Substances</b>  | <b>CAS RN</b> | <b>Legal status</b> |
|--|---------------|---------------------|
| 4,4-Methylene-bis[2-chloro-aniline]                                    | 101-14-4      | SVHC and restricted |
| 4,4-Methylenedianiline   | 101-77-9      | SVHC and restricted |
| 4,4'-oxydianiline  | 101-80-4      | SVHC and restricted |
| 4-chloroaniline  | 106-47-8      | Restricted          |
| o-Dianisidine  | 119-90-4      | Restricted          |
| 4,4'-bi-o-toluidine  | 119-93-7      | Restricted          |
| p-Cresidine  | 120-71-8      | Restricted          |
| 2,4,5-trimethylaniline   | 137-17-7      | Restricted          |
| 4,4'-thiodianiline   | 139-65-1      | Restricted          |
| 4-Aminoazobenzene  | 60-09-3       | SVHC and restricted |
| 4-methoxy-m-phenylenediamine   | 615-05-4      | Restricted          |
| 4,4-Methylenedi-o-toluidine  | 838-88-0      | SVHC and restricted |
| 2,6-xylydine   | 87-62-7       | Restricted          |
| o-Anisidine  | 90-04-0       | Restricted          |
| 2-Naphthylamine  | 91-59-8       | Restricted          |
| 3,3-Dichlorobenzidine  | 91-94-1       | Restricted          |
| Biphenyl-4-ylamine   | 92-67-1       | Restricted          |
| Benzidine  | 92-87-5       | Restricted          |
| o-Toluidine  | 95-53-4       | Restricted          |
| 2,4-xylydine   | 95-68-1       | Restricted          |
| 4-Chloro-o-toluidine   | 95-69-2       | Restricted          |
| 4-methyl-m-phenylenediamine  | 95-80-7       | Restricted          |
| o-Aminoazotoluene  | 97-56-3       | Restricted          |
| 5-Nitro-o-toluidine  | 99-55-8       | Restricted          |
| 4-chloro-o-toluidinium chloride  | 3165-93-3     | Restricted          |
| 2-Naphthylammoniumacetate  | 553-00-4      | Restricted          |
| 4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate | 39156-41-7    | Restricted          |
| 2,4,5-trimethylaniline hydrochloride                                   | 21436-97-5    | Restricted          |

## Annex 8 - Benzotriazols

| Substance  | CAS RN     | Legal status |
|--|------------|--------------|
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                 | 3846-71-7  | SVHC         |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)       | 3864-99-1  | SVHC         |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)             | 25973-55-1 | SVHC and POP |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | SVHC         |
| Bumetrizole (UV 326)   | 3896-11-5  | SVHC         |
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV 329) | 3147-75-9  | SVHC         |

### Annex 9 - CMR dyestuffs

| Substances  | CAS RN           | Legal status        |
|---|------------------|---------------------|
| C.I. Direct Brown 95                                    | 16071-86-6       |                     |
| C.I. Direct Black 38                                    | 1937-37-7        | SVHC                |
| C.I. Disperse Blue 1                                    | 2475-45-8        | Restricted          |
| C.I. Direct Blue 6                                      | 2602-46-2        |                     |
| C.I. Acid Red 26  | 3761-53-3        |                     |
| C.I. Basic Red 9  | 569-61-9         |                     |
| C.I. Direct Red 28                                      | 573-58-0         | SVHC                |
| C.I. Basic Violet 14                                    | 632-99-5         |                     |
| C.I. Disperse Orange 11                                 | 82-28-0          |                     |
| C.I. Disperse Orange 149                                | 85136-74-9       |                     |
| C.I. Solvent Blue 4                                     | 6786-83-0        | SVHC                |
| C.I. Basic Blue 26,                                     | 2580-56-5        | SVHC                |
| C.I. Basic Violet 3                                     | 548-62-9         | SVHC and restricted |
| Michler's base  | 101-61-1         | SVHC                |
| Michler's ketone  | 90-94-8          | SVHC<br>Prop 65     |
| C.I. Disperse Yellow 3                                  | 2832-40-8        |                     |
| C.I. Acid red 114                                       | 6459-94-5        | Prop 65             |
| C.I. Direct blue 15                                     | 2429-74-5        | Prop 65             |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1         | SVHC                |
| C.I. Reactive Brown 51                                  | EC No: 466-490-7 | SVHC                |

## Annex 10 – legal status formaldehyde

Formaldehyde regulations within EU/EEA are replaced by EU REACH Regulation annex XVII entry 72 for textiles.

| Formaldehyde regulations outside EU/EEA                                      |  |   |
|--|--|---|
| Country  | Regulations/Requirements   | Objection Limit / Limit   |
| China  | Limits of Formaldehyde Content in Textiles: GB18401, Leather: GB/T 19941   | Textiles for infants and babies: ≤20 mg/kg. Textiles in direct skin contact: ≤75 mg/kg. Textiles not in direct skin contact: ≤300 mg/kg.  |
| Japan  | Japanese Law 112 Textiles: JIS L1041   | Textiles for infants: Not detectable. Textiles in direct skin contact: 75 ppm.  |
| Vietnam  | Circular no 23/2016/TT-BCT   | Textiles for babies under 36 months: 30 mg/kg. Textiles in direct skin contact: 75 mg/kg. Textiles not in direct skin contact: 300 mg/kg  |
| USA  | Federal Hazardous Substances Act (FHSA)  | The Federal Hazardous Substances Act (FHSA) is a chemicals legislation that does not focus on products but regulates certain hazardous substances in products, such as lead in candle wicks and solvents in shoe waxes. Consumer products containing more than 1% formaldehyde must be labeled with a warning.<br>The following states have restrictions of formaldehyde: California (cleaning products, cosmetics, wood products), Illinois, Iowa, Louisiana, Massachusetts (children's products, jewelry, toys), New Hampshire (children's products, toys), New York (electronics equipment), South Carolina and Vermont (chemical products). |
| Eurasian Customs Union (Armenia, Belarus, Kazakhstan, Kyrgyzstan and Russia) | Technical Regulation on the, TP TC 007/2011 On “Safety of Products intended for children and adolescents”, enacted in 2011 and its amendment “Decision N° 51 (28 April 2017)”, enacted in 2017. “TP TC 017/2011 On Safety of Light Industry Products enacted in 2011 and its amendment “Decision N° 60 (9 August 2016)” enacted in 2016. GOST 30386-95 (Textiles. Maximum permissible concentrations of free formaldehyde) | Mass fraction of free Formaldehyde babies up to 36 months: 20 mcg/g for 1st and 2nd layer of products and 300 mcg/g for 3rd layer.<br><br>Mass fraction of free Formaldehyde for children and adolescents: 75 mcg/g for 1st and 2nd layer of products and 300 mcg/g for 3rd layer.<br><br><i>Apply less than 20 mg free formaldehyde/kg as a customs requirement.</i>   |

**Annex 11 - Fluorochemicals (PFAS) to analyse**

| Substances  | Acronym   | CAS RN      |
|---|-----------|-------------|
| <b>PFSA (perfluorinated sulfonic acids) related substances (PFSA)</b>   |           |             |
| Perfluorooctane sulfonate   | PFOS      | 1763-23-1   |
| Perfluorooctanesulfonamide  | PFOSA     | 754-91-6    |
| N-Methyl-Perfluorooctanesulfonamide                                     | N-Me-FOSA | 31506-32-8  |
| N-Ethyl-Perfluorooctanesulfonamide                                      | N-Et FOSA | 4151-50-2   |
| N-Methyl-Perfluorooctanesulfonamidoethanol                              | N-Me-FOSE | 24448-09-7  |
| N-Ethyl-Perfluorooctanesulfonamidoethanol                               | N-Et-FOSE | 1691-99-2   |
| Perfluorohexane sulfonate   | PFHxS     | 355-46-4    |
| Perfluorobutane sulfonate   | PFBS      | 375-73-5    |
| <b>PFCA (perfluorinated carboxylic acids) related substances (PFCA)</b> |           |             |
| Perfluorooctane acid  | PFOA      | 335-67-1    |
| Perfluorobutanoic acid  | PFBA      | 375-22-4    |
| Perfluoropentanoic acid   | PFPeA     | 2706-90-3   |
| Perfluorohexanoic acid  | PFHxA     | 307-24-4    |
| Perfluoroheptanoic acid   | PFHpA     | 375-85-9    |
| Perfluorononanoic acid  | PFNA      | 375-95-1    |
| Perfluorodecanoic acid  | PFDA      | 335-76-2    |
| Perfluoroundecanoic acid  | PFUnA     | 2058-94-8   |
| Heptacosafuorotetradecanoic acid  | PFTA      | 376-06-7    |
| Tricosafuorododecanoic acid   | PFDoA     | 307-55-1    |
| Pentacosafuorotridecanoic acid  | PFTrDA    | 72629-94-8  |
| Ammonium pentadecafluorooctanoate                                       | APFO      | 3825-26-1   |
| Sodium perfluorooctanoate   | Na-PFO    | 335- 95-5   |
| Potassium perfluorooctanoate  | Ca-PFO    | 2395-00-8   |
| Silver perfluorooctanoate   | Ag-PFO    | 335-93-3    |
| Perfluorooctanoyl fluoride  | F-PFO     | 335-66-0    |
| Methyl pentadecafluorooctanoate   | Me-PFO    | 376-27-2    |
| Ethyl perfluorooctanoate  | Et-PFO    | 3108-24-5   |
| <b>Flourtelomers (precursors)</b>                                       |           |             |
| 4:2 fluorotelomer sulfonate   | 4:2 FTS   | 757124-72-4 |
| 6:2 fluorotelomer sulfonate   | 6:2 FTS   | 27619-97-2  |
| 8:2 fluorotelomer sulfonate   | 8:2 FTS   | 39108-34-4  |
| 1H,1H,2H,2H-Perfluorohexanol  | 4:2 FTOH  | 2043-47-2   |
| 1H,1H,2H,2H-Perfluoro-1-octanol   | 6:2 FTOH  | 647-42-7    |
| 1H,1H,2H,2H-Perfluoro-1-decanol   | 8:2 FTOH  | 678-39-7    |
| 1H,1H,2H,2H-Perfluorododecane-1-ol                                      | 10:2 FTOH | 865-86-1    |
| 1H,1H,2H,2H-Perfluorooctylacrylat                                       | 6:2 FTA   | 17527-29-6  |
| 1H,1H,2H,2H-Perfluorodecylacrylat                                       | 8:2 FTA   | 27905-45-9  |
| 1H,1H,2H,2H-Perfluorododecylacrylat                                     | 10:2 FTA  | 17741-60-5  |
| 3,3,4,4,5,5,6,6,7,7,8,8,8-  | 6:2 FTMA  | 2144-53-8   |
| tridecafluorooctyl methacrylate   |           |             |

Annex 12 – legal status PFAS

| PFAS substances, their salts and related substances   | CAS  | Abbr.                | SVHC | REACH annex XVII | EU POP regulation | Prop 65 | Stockholm Convention |
|---|--|----------------------|------|------------------|-------------------|---------|----------------------|
| Perfluorobutane sulfonate   | 375-73-5   | PFBS                 | Yes  |                  |                   |         |                      |
| Perfluorohexane sulfonate   | 355-46-4   | PFHxS                | Yes  |                  | Yes               |         | Yes                  |
| Perfluorohexanoic acid  | 307-24-4   | PFHxA<br>(C6)        |      | Yes              |                   |         |                      |
| Perfluoroheptaonic acid   | 375-85-9   | PFHpA<br>(C7)        | Yes  |                  |                   |         |                      |
| Perfluorooctane sulfonate   | 307-34-6   | PFOS                 |      |                  | Yes               | Yes     | Yes                  |
| Perfluorononanoic acid and its sodium ammonium salts,   | 375-95-1<br>21049-39-8,<br>4149-60-4   | PFNA<br>(C9)         | Yes  | Yes              |                   | Yes     |                      |
| Perfluorodecanoic acid its sodium and ammonium salts,   | 335-76-2<br>3108-42-7<br>3830-45-3   | PFDA<br>(C10)        | Yes  | Yes              |                   |         | Yes                  |
| Pentacosafuoro tridecanoic acid   | 72629-94-8   | PFTTrDA<br>(C11)     | Yes  | Yes              |                   |         | Yes                  |
| Tricosafuoro dodecanoic acid  | 307-55-1   | PFDoA<br>(C12)       | Yes  | Yes              |                   |         | Yes                  |
| Henicosafuoro undecanoic acid   | 2058-94-8  | PFUnA<br>(C13)       | Yes  | Yes              |                   |         | Yes                  |
| Heptacosafuoro tetradecanoic acid   | 376-06-7   | PFTA<br>(C14)        | Yes  | Yes              |                   |         | Yes                  |
| C15-C21   | Various  |                      |      |                  |                   |         | Yes                  |
| Perfluorooctane acid Ammonium pentadecafluoro octanoate   | 335-67-1<br>3825-26-1  | PFOA<br>APFO<br>(C8) | Yes  |                  | Yes               | Yes     | Yes                  |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)  | Various  | HPFO-DA*.            | Yes  |                  |                   |         |                      |
| reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | Various  |                      | Yes  |                  |                   |         |                      |
| Perfluamine   | 338-83-0   |                      | Yes  |                  |                   |         |                      |
| Broader PFAS regulation   | Suggested to cover all compounds that include one or more perfluorinated moieties. |                      |      | On going         |                   |         |                      |

**Annex 13 - Regulated ortho - phthalate esters**

| Substance   | Abbreviation | CAS RN                    | Legal status                                   |
|---|--------------|---------------------------|--|
| Bis(2-ethylhexyl) phthalate   | DEHP         | 117-81-7                  | SVHC and restricted Prop 65<br>TSCA assessment |
| Dibutyl phthalate   | DBP          | 84-74-2                   | SVHC and restricted Prop 65<br>TSCA assessment |
| Benzyl butyl phthalate  | BBP          | 85-68-7                   | SVHC and restricted Prop 65<br>TSCA assessment |
| Diisononyl phthalate  | DINP         | 28553-12-0 and 68515-48-0 | Restricted Prop 65<br>TSCA assessment          |
| Diisodecyl phthalate  | DIDP         | 26761-40-0 and 68515-49-1 | Restricted Prop 65<br>TSCA assessment          |
| Di-n-octyl phthalate  | DNOP         | 117-84-0                  | Restricted                                     |
| Diisooctyl phthalate  | DIOP         | 27554-26-3                | Not yet regulated                              |
| Diisobutyl phthalate  | DIBP         | 84-69-5                   | SVHC and restricted<br>TSCA assessment         |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich  | DIHP         | 71888-89-6                | SVHC and restricted                            |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters   | DHNUP        | 68515-42-4                | SVHC   |
| Bis(2-methoxyethyl) phthalate   | DMEP         | 117-82-8                  | SVHC and restricted                            |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear  |              | 84777-06-0                | SVHC   |
| Diisopentyl phthalate   | DIPP         | 605-50-5                  | SVHC and restricted                            |
| N-pentyl-isopentylphthalate   | PIPP         | 776297-69-9               | SVHC   |
| Dipentyl phthalate  | DPP          | 131-18-0                  | SVHC   |
| Dihexyl phthalate   | DnHP         | 84-75-3                   | SVHC and restricted Prop 65                    |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear  |              | 68515-50-4                | SVHC   |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters with $\geq 0.3\%$ of dihexyl phthalate (CAS 84-75-3)                    |              | 68515-51-5                | SVHC   |
| 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (CAS 84-75-3) |              | 68648-93-1                | SVHC   |
| Dicyclohexyl phthalate  | DCHP         | 84-61-7                   | SVHC<br>TSCA assessment                        |
| Diisohexylphthalate   | DIHXP        | 71850-09-4                | SVHC   |

**Annex 14 – Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)**

| <b>Substance</b>         | <b>Abbreviation</b> | <b>CAS RN</b>            | <b>Legal status</b> |
|--------------------------|---------------------|--------------------------|---------------------|
| <b>PBBs</b>              |                     |                          |                     |
| Polybrominated biphenyls | PBB                 | 59536-65-1 (mix)         | Restricted, Prop 65 |
| Hexabromobiphenyl        | HBB                 | 36355-01-8               | Restricted          |
| <b>PBDEs</b>             |                     |                          |                     |
| Pentabromodiphenyl ether | PentaBDE            | 32534-81-9, 60348-60-9   | Restricted, Prop 65 |
| Octabromodiphenyl ether  | OctaBDE             | 32536-52-0               | Restricted          |
| Decabromodiphenyl ether  | DecaBDE             | 1163-19-5                | SVHC and restricted |
| Tetrabromodiphenyl ether | TetraBDE            | 5436-43-1                | Restricted          |
| Heptabromodiphenyl ether | HeptaBDE            | 207122-16-5, 446255-22-7 | Restricted          |
| Hexabromodiphenyl ether  | HexaBDE             | 68631-49-2, 207122-15-4  | Restricted          |

### Annex 15 – Siloxanes

| Substance  | CAS RN     | Legal status |
|--|------------|--------------|
| Octamethyltrisiloxane (D3)                                       | 107-51-7   | SVHC         |
| Octamethylcyclotetrasiloxane (D4)                                | 556-67-2   | SVHC         |
| Decamethylcyclopentasiloxane (D5)                                | 541-02-6   | SVHC         |
| Dodecamethylcyclohexasiloxane (D6)                               | 540-97-6   | SVHC         |
| 1,1,1,3,5,5,5-heptamethyl-3-<br>[(trimethylsilyl)oxy]trisiloxane | 17928-28-8 | SVHC         |
| Decamethyltetrasiloxane  | 141-62-8   | SVHC         |

**Annex 16 – Halogenated aryl phosphates**

| <b>Substance</b>                             | <b>CAS RN</b> | <b>Legal status</b>        |
|--|---------------|----------------------------|
| Tris(2-chloroethyl) phosphate (TCEP)         | 115-96-8      | SVHC                       |
| Tris(2,3-dibromopropyl) phosphate (TBPP)     | 126-72-7      | Restricted                 |
| Tris(chloropropyl) phosphate (TCPP)          | 13674-84-5    | Prop 65<br>TSCA assessment |
| Tris(1,3-dichloroisopropyl)phosphate (TDCPP) | 13674-87-8    | Prop 65<br>TSCA assessment |

**Annex 17 –Aryl phosphates**

| <b>Substance</b>  | <b>CAS RN</b> | <b>Legal status</b>     |
|---|---------------|-------------------------|
| Trixylyl phosphate  | 25155-23-1    | SVHC                    |
| Triphenylphosphate  | 115-86-6      | SVHC<br>TSCA assessment |
| O,O,O-triphenyl phosphorothioate (TPPT)   | 597-82-0      | SVHC                    |
| Reaction mass of:<br>triphenylthiophosphate and<br>tertiary butylated phenyl<br>derivatives | 192268-65-8   | SVHC                    |

## **Annex 18 - Checklist for laboratories**

### **Introduction**

This routine is to ensure qualified chemical test protocols and test results by selected and by NN, approved accredited independent test laboratories in selected countries of concern.

If there are published EN or EN ISO or ISO methods available always use that method and clearly report in the test protocol

If other methods are used e.g. in-house test methods, always answer carefully each section below.

In case the applied EN, EN ISO or ISO method is modified by the test laboratory, always report these modified procedures in the test report.

All test reports should be signed by an authorised person at the laboratory.

### **Testing**

For those chemical substances to be tested, where no official international standard test method exists, the test report should include the following:

#### **Sample preparation**

- Amount of specimen for preparation, weight and size
- procedure of extraction, solvents used, and equipment used for extraction e.g. Soxhlet

#### **Instrumental performance**

- instrument used e.g GC-MS etc.
- lab specific detection limit(s) where preferably LOQ (limit of quantification) are reported
- standard deviation in analytical results

#### **Other information of importance**

- describe modified procedures from applied established ISO/EN standard methods if available.
- always present test results in mg/kg
- description of the recalculation from mg/kg if the test result is presented in another unit e.g ppm, ppb, ug/kg etc

#### **Instruction to the laboratory**

- always present the actual test result of the analysis and not any letter combinations if not properly described e.g N/A
- if not detected, report always below the actual LOQ (< LOQ) values