# TIGER OF SWEDEN



# **PART 1.4**

Restricted Substance List

May 2023

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## CHANGE LOG FOR TIGER OF SWEDEN RESTRICTED SUBSTANCE LIST

| Page | CAS       | Name  | Change/Amendment   |
|------|-----------|---|--|
| 36   | 213-103-2 | Hydroxymethyl acrylamide (N-(hydroxymethyl)acrylamide | The new candidate list substance (SVHC) has been added to the guide. |

| Page  | CAS                       | Name                                | Change/Amendment   |
|-------|---------------------------|-------------------------------------|--|
| 37-38 | 29420-49-3<br>220689-12-3 | Perfluorobutanesulfonic acid (PFBS) | Two salts of perfluorobutanesulfonic acid is added as new candidate list substances (SVHC) to the section of PFAS – "Highly fluorinated sulfonic acids (PFOS and related substances)". |

| Page | CAS | Name                         | Change/Amendment   |
|------|-----|------------------------------|--|
| 45   | -   | DMFa (N,N-dimethylformamide) | Updated testing standard EN 16178 (footwear and footwear components) is added. |

| Page | CAS | Name  | Change/Amendment                                  |
|------|-----|---|---|
| 47   | -   | Benzotriazols (UV-320, UV-327, UV-328 and UV-350) | Updated testing standard ISO 24040:2022 is added. |

| Page | CAS | Name                | Change/Amendment  |
|------|-----|---------------------|---|
| 30   | -   | Chromium substances | Several testing methods is added:  EN 16711-1 (total content in textiles)  EN 16711-2 (extractable content in textile)  ISO 17072-1 (extractable content in leather)  ISO 17072-2 (total content in leather).  LOQ: 10 mg/kg (total content), 0.1 mg/kg (extractable content) |

| Page | CAS | Name         | Change/Amendment  |
|------|-----|--------------|---|
| 28   | -   | Formaldehyde | Updated testing standard ISO 27587 was added to analyze formaldehyde in leather and process auxiliaries |

| Page | CAS | Name  | Change/Amendment  |
|------|-----|---|---|
| 37   | -   | PFAS-highly fluorinated carboxylic acids (PFOA and related substances)" | Updated testing standard EN 17681-1, 2 (textile and textile products) and ISO 23702-1 (leather) is added. |

| Page | CAS        | Name   | Change/Amendment  |
|------|------------|--|---|
| 37   | 13252-13-6 | PFAS-Highly fluorinated ethers (such as HFPO-DA) | Updated testing standard EN 17681-1, 2 (textile and textile products) is added. |

| Page | CAS | Name   | Change/Amendment   |
|------|-----|--|--|
| 37   | /   | PFAS-Highly fluorinated<br>sulfonic acids (PFOS and<br>related substances) | Updated testing standard EN/TS 15968 and EN 17681-1, 2 (textile and textile products) is added |

| Page  | CAS | Name             | Change/Amendment   |
|-------|-----|------------------|--|
| 40-41 | /   | Phthalate esters | Updated testing standard ISO 16181-2 (footwear) is added |

| Page | CAS | Name     | Change/Amendment                           |
|------|-----|----------|--|
| 30   | /   | Melamine | SVHC substances is added under own heading |
|      |     |          |  |

| Page | CAS | Name             | Change/Amendment                          |
|------|-----|------------------|---|
| 22   | /   | Bisphenol S, BPS | SVHC substances is added under Bisphenols |
|      |     |                  |   |

| Page | CAS | Name       | Change/Amendment   |
|------|-----|------------|--|
| 22   | /   | Bisphenols | Updated testing standard pr ISO 11936, a preliminary standard is added |

| Page | CAS | Name                                      | Change/Amendment  |
|------|-----|---|---|
| 38   | /   | Perfluoroheptanoic acid (C7) and its salt | SVHC substances is added under PFAS - Highly fluorinated carboxylic acids (PFOA and related substances) |

| Page | CAS | Name                      | Change/Amendment  |
|------|-----|---------------------------|---|
| 27   | /   | Barium diboron tetraoxide | SVHC substances is added under Flame retardants/Biocides - Boric acid, borate compounds |

| Page | CAS | Name  | Change/Amendment  |
|------|-----|---|---|
| 26   | /   | Bis(2-ethylhexyl)<br>tetrabromophthalate (TBPH) | SVHC substances is added under own heading as a Flame retardant/Plasticizer |

| Page | CAS | Name                 | Change/Amendment   |
|------|-----|----------------------|--|
| 44   | /   | Dioctyltin dilaurate | Is added under Tin organic compounds (Organostannic compounds) |

| Page | CAS  | Name            | Change/Amendment                                   |
|------|--|-----------------|--|
| /    | 13560-89-9;<br>135821-74-8;<br>135821-03-3 | Dechlorane Plus | This flame retardant has been deleted from the RSL |

| Page | CAS | Name   | Change/Amendment  |
|------|-----|--|---|
| 47   | /   | UV stabilizers - included DBMC, 3-BC and benzotriazoles. | Several UV stabilizers have been gathered under same heading. |

| Page | CAS | Name                                  | Change/Amendment                               |
|------|-----|---------------------------------------|--|
| 48   | /   | Trisubstituted tin organic compounds. | Updated testing standard ISO/TS 16179 is added |

| Page       | CAS | Name                                      | Change/Amendment   |
|------------|-----|---|--|
| 20, 31, 40 | /   | APEO, Phthalate esters and<br>Chromium VI | Clarifications have been done regarding which parts of standards are suitable for testing APEO, Phthalate esters and Chromium VI |

#### 1.4 TIGER OF SWEDEN RESTRICTED SUBSTANCE LIST

#### Introduction

Tiger of Sweden is committed to operate in an environmentally sustainable manner to protect the consumers, workers, environment, and the brand. The requirements in this document are in accordance with current national legislation and EU legislation, which includes the REACH legislation and voluntary eco-labelling schemes. The requirements reflect an awareness of how chemicals affect human health, the environment and constantly increasing quality demands of consumers.

Suppliers shall always consider the safety and suitability of any chemicals used in their products regardless of whether there are specific regulations. Manufacturers, importers and other suppliers must ensure that their products meet community safety expectations, and they must take responsibility for consequences of harmful chemicals present in a product.

Tiger of Sweden's Restricted Substance List (Tiger of Sweden RSL) applies to all products, including but not limited to apparel, footwear and accessories. Tiger of Sweden RSL also applies to all raw materials, parts, trims, sundries, chemicals and other goods supplied or used in the manufacturing of Tiger of Sweden's product range, including packaging materials.

Due to national legislations in some countries where we are selling our products, the limits in Tiger of Sweden RSL in some cases are stricter than in REACH.

We require our suppliers and partners to study this document carefully and implement processes in their supply chain to comply with these requirements. Tiger of Sweden RSL must be shared with all upstream users in the supply chain, both factories producing finished products and suppliers of raw materials, components and chemicals.

Tiger of Sweden requires that all suppliers comply with REACH and continuously follow the updates on the website of the European Chemical Agency (ECHA). ECHA is the European Authority for REACH on behalf of the European Commission: <a href="http://ECHA.europa.eu">http://ECHA.europa.eu</a>

In case of specific question to Tiger of Sweden Restricted Substance list, please contact the following: <a href="mailto:csr@tigerofsweden.com">csr@tigerofsweden.com</a>

## 1.4.1 LEGISLATION

#### 1.4.1.A EU LEGISLATION REACH

The European Chemical Legislation, REACH (Registration, Evaluation, Authorization and Restriction of Chemical substances) has been in force since 1st of June 2007. The objective of REACH is to ensure a high level of safety for human health and the environment. The communication requirements of REACH ensure that not only manufacturers and importers but also their customers, i.e. downstream users and distributors, have the information they need to use products safely.

## Mandatory REACH duties

Tiger of Sweden requires that all suppliers are prepared to deliver articles which comply with the REACH regulation. The suppliers must constantly review updates of:

• The candidate list with Substances of Very High Concern, the SVHC list.

Under EU REACH regulation, substances that are one of the following can be regarded as substance of very high concern (SVHC):

- o Carcinogenic, Mutagenic or Toxic to Reproduction (CMRs)
- o Persistent, Bio-accumulative & Toxic (PBT)
- o Very Persistent & Bio-accumulative (vPvB)
- O Seriously and/or Irreversibly Damaging the environment or human health, as substances damaging the hormone system

If a substance is identified as an SVHC, it will be added to the Candidate List for eventual inclusion in the Authorisation List, regulated under article 33 and will be included in Annex XIV or XVII.

- The Authorisation list, Annex XIV, contains priority substances recommended from the Candidate list. Those SVHCs will not be allowed to be used, placed on the market or imported into the EU after a date to be set unless the company is granted an authorization.
- List of restrictions, Annex XVII, contains those substances (on its own, in a mixture or in an article) for which manufacture, placing on the market or use is limited or banned in the European Union.

The three lists mentioned can be found on the website of the European Chemical Agency (ECHA), http://ECHA.europa.eu.

## Article definition in force from September 2015

The REACH regulation is divided into restrictions for substances, preparations and articles. Textiles and Clothing are in the REACH-regulation considered to be so-called "articles".

The general definition of an article in REACH, Article 33, is: "An article is an object which during production is given a special shape, surface or design which determines its function to a greater degree than its chemical composition".

Article 33 of Regulation No 1907/2006, as amended on September 2015, must be interpreted as meaning that, for the purposes of application of that provision, it is for the supplier of a product one or more constituent articles of which contain(s) a substance of very high concern identified in accordance with Article 59(1) of that regulation in a concentration above 0,1 % weight by weight of that article, to inform the recipient and, on request, the consumer, of the presence of that substance by providing them, as a minimum, with the name of the substance in question.

Production Agreement & CR

An article will always remain an article, even when it is joined together with other articles to form a larger more complex article/product. The obligation to provide information according to Article 33 is triggered as soon as an individual part, which fulfills the definition of "article", contains 0.1% (w/w) or more of a Candidate list SVHC. SVHC's in an article must be < 0.1% (w/w).

For Tiger of Sweden products the article definition includes individual components in the product, e.g.:

- Zippers, labels, buttons, and other components that are attached to the garment
- Shoe laces, metal eyelets, shoe soles, insoles and other components that are attached to shoes, bags etc.

A product example that is regulated as a preparation would be nail polish. The general definition of a preparation in REACH is: "A mixture or solution composed of two or more substances", follow the link, http://thencec.com/reach-polymers-articles-and-preparations

#### 1.4.1.B USA - CALIFORNIA PROPOSITION 65

## What is Proposition 65?

Proposition 65 requires businesses to provide warnings to Californians about significant exposures to chemicals that cause cancer, birth defects or other reproductive harm. These chemicals can be in the products that Californians purchase, in their homes or workplaces, or that are released into the environment. By requiring that this information be provided, Proposition 65 enables Californians to make informed decisions about their exposures to these chemicals.

## What types of chemicals are on the Proposition 65 list?

The list contains a wide range of naturally occurring and synthetic chemicals that include additives or ingredients in pesticides, common household products, food, drugs, dyes, or solvents. Listed chemicals may also be used in manufacturing and construction, or they may be by-products of chemical processes, such as motor vehicle exhaust.

Link to the complete list can be found here:

https://oehha.ca.gov/proposition-65/proposition-65-list

## What are the penalties for violating Proposition 65?

Penalties for violating Proposition 65 by failing to provide warnings can be as high as \$2,500 per violation per day.

## The most important steps for complying with proposition

- Determine which of your products are likely to be sold in California
- Identify the supplier for each of those products
- Request relevant compliance data from suppliers
- Track which products most likely may contain Proposition 65 substances and in what quantities
- Maintain records to support claims in case of enforcement action

#### Label requirement

Refer to Appendix 03 for assessment on labelling requirement

For more information on Proposition 65 visit:

https://oehha.ca.gov/proposition-65

https://oehha.ca.gov/proposition-65/law/proposition-65-law-and-regulations

## 1.4.2 COMPLIANCE

The Supplier is obliged to be in full compliance with Tiger of Sweden RSL, to be updated and in compliance with the REACH legislation, the candidate list of Substances of Very High Concern (SVHC's) and California Proposition 65. Tiger of Sweden accepts a maximum concentration of 1000 mg/kg for substances on the candidate list in each homogeneous part of the product, except if lower limit applies as per other part of this document. Tiger of Sweden requires each of our suppliers to certify their compliance to the Tiger of Sweden RSL by signing the Production Agreement in the SOP, PART 1.2

As Tiger of Sweden has a strict "no fault" policy related to product safety requirements, any breach of compliance with the Tiger of Sweden RSL is considered a breach of contract, refer to Production Agreement in the SOP, PART 1.2; paragraph 16 or Nomination Agreement in the STP, PART 1.2; paragraph 5 or Supply Agreement, paragraph 4.

#### Please Note!

In the above mentioned paragraphs, the Manufacturer accepts responsibility to comply with Tiger of Sweden's product safety requirements for any Raw Materials sourced by the Manufacturer; including materials for Developing Samples such as Proto Types, Selling Samples etc. and Bulk Production.

To ensuring the Suppliers compliance with the Tiger of Sweden RSL, any testing must be executed by a nominated laboratory appointed by Tiger of Sweden.

## 1.4.3 TIGER OF SWEDEN STRATEGY REGARDING CHEMICAL TESTING

The Chemical Strategy in Tiger of Sweden includes that we apply risk assessment from design development to the final order is settled, communicating actively throughout the supply chain, from the design process to the supplier regarding risk elements. A selection of styles/components for Tiger of Sweden RSL testing will be chosen on each season for verification of the working process and to control if Tiger of Sweden products are complying with Tiger of Sweden RSL requirements.

The risk assessment is based on diverse criteria such as:

- High risk articles (e.g. including prints, finish, coating and padding).
- High volume (both large order sizes on volume and/or value and recurring orders on SSP).
- Supplier history (e.g. earlier fails or new supplier).

Tiger of Sweden has developed a tool for risk assessment, the Chemical Risk Matrix, which is placed in this section.

We urge suppliers to purchase dye stuff, pigments and textile auxiliaries from reputable suppliers, such as ETAD members (www.ETAD.com), e.g. BASF, CHT-Bezema, Clariant, Dystar, Huntsman and Rudolf. Products purchased with these suppliers and applied appropriately will minimize the risk for chemical failure.

On certain chemicals, e.g. NPEO, there might be a significant difference between Tiger of Sweden RSL and REACH regulation and/or governing law. There might also be criteria in Tiger of Sweden RSL which are set due to common industry standards. It is at Tiger of Sweden's sole discrepancy to decide on failed articles, when the failed chemicals are not regulated by law, or when the legal limit varies from country to country.

Tiger of Sweden Risk Matrix

| TIGER OF SWEDEN                                   |          |          |          | es inc   |            |           | S <b>ynth</b><br>cl. bu |          |          |          | Natural & Synthetic<br>Blends | Natural Leather | Artificial & Coated<br>Leather | Plastics and other synthetic materials | Coating, Print & paint | Finishes    | Adhesives & Glue | Metal parts | Rhinestones & Sequins etc. | Fusion, Padding,<br>Feather & Down | Desiccant's | Packaging material |
|---|----------|----------|----------|----------|------------|-----------|-------------------------|----------|----------|----------|-------------------------------|-----------------|--------------------------------|--|------------------------|-------------|------------------|-------------|----------------------------|------------------------------------|-------------|--------------------|
| Classical   | Cotton   | Linen    | Wool     | Silk     | Viscose    | Polyester | Polyamide               | Acrylic  | Acetate  | Elastane |                               |                 |                                |  |                        |             |                  |             |                            |                                    |             |                    |
| Chemical: AZO dyes                                | ✓        | <b>✓</b> | <b>√</b> | <b>√</b> | <b>√</b>   | 1         | ✓                       | ✓        | ✓        | ✓        | 1                             | <b>✓</b>        | ✓                              |  | <b>✓</b>               |             |                  |             |                            |                                    |             |                    |
| -   | •        | •        | •        | •        | •          | •         |                         | •        | •        | •        | •                             | Ť               |                                |  | •                      |             |                  |             |                            |                                    |             |                    |
| Allergenic dyes                                   |          |          |          |          |            | ✓         | ✓                       | ✓        | ✓        | ✓        | ✓                             |                 |                                |  |                        |             |                  |             |                            |                                    |             |                    |
| Carcinogenic dyes                                 | 1        | 1        | 1        | 1        | ✓          | 1         | ✓                       | ✓        | ✓        | ✓        | 1                             | 1               | 1                              |  | 1                      |             |                  |             |                            |                                    |             |                    |
| NPEO, OPEO<br>(APEO)                              | ✓        | ✓        | ✓        | ✓        | ✓          | ✓         | ✓                       | ✓        | ✓        | ✓        | ✓                             | ✓               | ✓                              | ✓                                      | ✓                      | ✓           | ✓                |             | ✓                          | ✓                                  |             |                    |
| Short Chained<br>Chlorinated<br>Paraffin's        |          |          |          |          |            |           |                         |          |          |          |                               | <b> </b> ✓      | ✓                              | <b>✓</b>                               | <b>✓</b>               |             |                  |             |                            |                                    |             |                    |
| Formaldehyde                                      | ✓        | ✓        | ✓        |          | ✓          | ✓         | ✓                       | ✓        | ✓        | ✓        | 1                             | ✓               | ✓                              |  | 1                      | ✓           | ✓                |             |                            |                                    |             |                    |
| Total Lead  |          |          |          |          |            |           |                         |          |          |          |                               | ✓               | ✓                              | ✓                                      | 1                      |             | ✓                | ✓           | ✓                          |                                    |             | ✓                  |
| Total<br>Cadmium                                  |          |          |          |          |            |           |                         |          |          |          |                               | <b>✓</b>        | <b>√</b>                       | ✓                                      | ✓                      |             | ✓                | 1           | 1                          |                                    |             | <b>√</b>           |
| Extractable<br>Heavy Metals                       | <b>✓</b> | ✓        | <b>√</b> | <b>✓</b> | <b>√</b>   | ✓         | <b>√</b>                | <b>√</b> | <b>✓</b> | ✓        | ✓                             | <b>✓</b>        | <b>✓</b>                       | ✓                                      | ✓                      |             |                  |             | ✓                          |                                    |             |                    |
| Soluble Heavy<br>Metals                           |          |          |          |          |            |           |                         |          |          |          |                               |                 |                                | 1                                      |                        |             |                  | 1           | 1                          |                                    |             |                    |
| Nickel Release                                    |          |          |          |          |            |           |                         |          |          |          |                               |                 |                                |  |                        |             |                  | ✓           |                            |                                    |             |                    |
| Cr +6 (leather)                                   |          |          |          |          |            |           |                         |          |          |          |                               | <b>√</b>        | ✓                              |  |                        |             |                  |             |                            |                                    |             |                    |
| N-<br>Nitrosamines                                |          |          |          |          |            |           |                         |          |          |          |                               |                 |                                | <b>✓</b>                               |                        |             |                  |             |                            |                                    |             |                    |
| PFOA, PFOS  |          |          |          |          | <b>√</b> : | ick:      |                         |          |          |          |                               |                 | ✓                              | <b>√</b> **                            | 1                      | <b>√</b> ** |                  |             |                            |                                    |             |                    |
| PAH   |          |          |          |          |            |           |                         |          |          |          |                               |                 | ✓                              | 1                                      | ✓                      |             | ✓                |             | ✓                          |                                    |             |                    |
| Phthalates  |          |          |          |          |            |           |                         |          |          |          |                               |                 | ✓                              | ✓                                      | ✓                      |             | ✓                |             | ✓                          |                                    |             | ✓                  |
| PVC detection                                     |          |          |          |          |            |           |                         |          |          |          |                               |                 | ✓                              | ✓                                      | 1                      |             |                  |             |                            |                                    |             | ✓                  |
| Volatile<br>Organic<br>Compounds                  |          |          |          |          |            |           |                         |          |          |          |                               |                 | <b>√</b>                       | <b>√</b>                               | <b>√</b>               | 1           | 1                |             | 1                          |                                    |             |                    |
| pH Value  | ✓        | ✓        | ✓        | ✓        | ✓          |           |                         |          |          |          | 1                             | <b>√</b>        | ✓                              |  |                        |             |                  |             |                            |                                    |             |                    |
| Organotin<br>Compounds                            | ✓        | ✓        | ✓        | ✓        | ✓          | ✓         | ✓                       | ✓        | <b>✓</b> | ✓        | ✓                             | <b>✓</b>        | ✓                              | <b>√</b>                               | ✓                      |             | 1                |             |                            |                                    |             |                    |
| Chlorinated<br>Phenols                            | ✓        | ✓        | ✓        | ✓        | ✓          |           |                         |          |          |          | ✓                             | <b>✓</b>        | ✓                              |  | ✓                      |             |                  |             |                            |                                    |             | ✓                  |
| Dimethyle-<br>fumerate                            | <b>√</b> | <b>~</b> | <b>\</b> | <b>✓</b> | <b>✓</b>   | <b>✓</b>  | <b>\</b>                | <b>√</b> | 1        | ✓        | ✓                             | <b>✓</b>        | <b>√</b>                       |  |                        |             | 1                |             |                            |                                    | <b>√</b>    | <b>√</b>           |
| Cobalt<br>Dichloride                              |          |          |          |          |            |           |                         |          |          |          |                               |                 |                                |  |                        |             |                  |             |                            |                                    | ✓           | ✓                  |
| Total Cd, Hg, Pb,<br>Cr +6 ***                    |          |          |          |          |            |           |                         |          |          |          |                               |                 |                                |  |                        |             |                  |             |                            |                                    |             | ✓                  |
| Blowing agents                                    |          |          |          |          |            |           |                         |          |          |          |                               |                 | ✓                              | <b>√</b> ∗                             | ✓                      |             |                  |             |                            |                                    |             |                    |
| Triclosan/<br>Triclocarban  * Relevant for rubber |          |          |          |          |            |           |                         |          |          |          |                               |                 |                                |  |                        | ✓           |                  |             |                            |                                    |             |                    |

<sup>\*\*</sup>Relevant for rubber

\*\*Relevant for stain and water repellent finishes or coatings on fabrics

\*\*\* Note testing method for Cr +6 is not the same as for leather – refer to RSL for details

## Tiger of Sweden Chemical Testing

Tiger of Sweden reserves the right to select and test products at any stage of production. Testing on development and sample stage may be executed on request from Tiger of Sweden.

Suppliers must promptly send sufficient sample material with a completed Test Request Form to a nominated laboratory.

Testing shall always be executed on:

- Bulk production material/components
- Test what can be tested before production start (e.g. trim)
- If any after treatment is to be applied to the ready garment, only ready printed/coated/washed bulk production components are to be tested

Tiger of Sweden will pay for this testing if the result is passed, but in case of a Tiger of Sweden RSL failure; the supplier will be responsible to pay for any chemical failures, including:

- First test where any component fails under Tiger of Sweden RSL, whole package test or whole test of nominated substances
- Replacement and/or retreatment of the failed component
- Retesting of the replaced and/or retreated component until a passed result is achieved
- Costs associated with any product recalls due to Tiger of Sweden RSL or SVHC failure

Tiger of Sweden expects that the supplier performs an investigation of the source of the failure to correct the current production and prevent repetition. The details of the investigation should be reported in the "RSL Corrective Action Plan", see Appendix 01, if requested by Tiger of Sweden.

## Tiger of Sweden "RSL Corrective Action Plan" (CAP)

When chemical fails occur, Tiger of Sweden will request a CAP report to be performed.

The CAP report is an investigation to locate the source of the failure, and which measures to be implemented, for correction of the current production and to prevent the same failure to be repeated in future productions. The supplier is requested to conduct the CAP report in cooperation with Tiger of Sweden and the laboratory if needed. Some parts are the supplier's responsibility to fill-in. See the CAP report in Appendix 01.

Making and implementing the CAP report will achieve internal transparency and an overview of the improvements at the supplier, which will enable Tiger of Sweden to acknowledge the efforts that supplier has accomplished before placing future orders.

## **Supplier Initiated Testing**

Tiger of Sweden encourages suppliers to conduct their own testing to be confident in their performance and to assure compliance to Tiger of Sweden RSL. For any supplier initiated testing, the test report will only be accepted by Tiger of Sweden if testing is conducted with a nominated laboratory appointed by Tiger of Sweden using the appropriate Test Request Form. The nominated laboratories undertake full confidentiality between laboratories and suppliers.

Tiger of Sweden only accepts chemical testing conducted at a nominated laboratory for Tiger of Sweden products/components. Tiger of Sweden have evaluated and approved the nominated laboratories, and formed a set up regarding:

- Discount on prices, also valid when suppliers conduct own testing on Tiger of Sweden products
- Laboratory well informed of Tiger of Sweden RSL
- Tiger of Sweden well informed of special test methods for all laboratories
- Layout and information in reporting

Independent on the specific test method provided in Tiger of Sweden RSL, the nominated laboratory is obliged to use the latest version.

## Nominated laboratory

Modern Testing Services, MTS - www.mts-global.com

Hong Kong

See Appendix 04 for details on contact persons, locations and mailing addresses.

## 1.4.4 TIGER OF SWEDEN STRATEGY REGARDING NANOTECHNOLOGY

Nanotechnology based materials is generally referred to as those compounds, or components within the range of 1 to 100 nanometres, and nanomaterials are 10 times smaller than the diameter of a human hair  $\square$  lone nanometre is one-billionth of a meter.

Due to the uncertainty of risk associated with using nanomaterials, and to ensure that any potentially negative impact to consumers and the environment related with the use of nanomaterials are heavily reduced or even none-existing, Tiger of Sweden currently restricts the use of nanomaterials within all products. This restriction applies to final products and/or components where nanomaterials is intentionally applied to or remains as residuals after manufacturing.

Prior to the use of Nanotechnology in a specific product/component for Tiger of Sweden, the following criteria's must be met:

- Meet legislative standards, globally
- Disclose the reason for using Nanotechnology
- Disclose the use of Nanotechnology by filling out the questionnaire, see Appendix 02.
- Tiger of Sweden will, based on the given information, do a risk and toxicity review before approval.

If no information is to be given, the specific case will be considered as high risk and will not be approved.

## 1.4.5 TIGER OF SWEDEN TABLES OF RESTRICTED SUBSTANCES

## "How to read" Tiger of Sweden tables of restricted substances

- The tables are divided into sections of Property Lending & Process Chemicals, Biocidal Agents, Restrictions on Packaging, etc.
- The substances in each section are listed in alphabetic order.
- Tiger of Sweden limits are defined with different values or expressions. The units to the values are corresponding with the units in the related test method.
- The expressions are explained in 1.4.6 Explanatory Section & Abbreviations

## 1.4.6 EXPALANTORY SECTION & ABBREVIATIONS

| General terms |  |
|---------------|--|
| CAP           | Corrective Action Plan   |
| ECHA          | European Chemicals Agency  |
| REACH         | Registration, Evaluation, Authorisation and restriction of CHemicals |
| SVHC          | Substances of Very High Concern = Candidate list                     |

| Chemical terms            |   |
|---------------------------|---|
| Articles with direct skin | Any part of the product, such as collar, cuff, body or sleeves, has direct prolonged contact with |
| contact:                  | the skin during normal use.   |
| Articles without direct   | Only a portion of the product may occasionally contact the skin during normal use.                |
| skin contact:             |   |
| Cas No:                   | A unique numeric identifier designated to one substance by the CAS registry, Chemical             |
|                           | Abstract Service.   |
| Test method:              | Standardized test method if such exists.  |
|                           | Test equipment if no standardized test method exists. Abbreviations of recommended test           |
|                           | equipment are explained in this in below section.   |
|                           |   |

| Test method/equipment |  |
|-----------------------|--|
| AAS:                  | Atomic absorption spectrophotometer  |
| CI:                   | Colour Index number  |
| DAD:                  | Diode array detector   |
| ECD:                  | Electron capture detector  |
| FTIR:                 | Fourier transform infrared spectroscopy (for PVC test)   |
| GC:                   | Gas Chromatography   |
| ICP:                  | Inductively Coupled Plasma Spectrometry  |
| LC:                   | Liquid Chromatography. Note sometimes the abbreviation HPLC is used. It stands for High<br>Performance Liquid Chromatography |
| MC                    | 5 1 015  |
| MS:                   | Mass selective detector  |
| OES:                  | Optical emission spectrometer  |
| UV / VIS:             | Ultraviolet/visible spectrophotometer detector   |
| VOC                   | Volatile Organic compound  |
| XRF:                  | X-ray fluorescence   |

| Chemical limits      |  |
|----------------------|--|
| Trace Amount (TR)    | The trace amount is identified by the TR designation in the Limit Value column. The trace amount is the allowable unavoidable trace presence of a substance that has been identified with a usage ban. While a substance may not be used in the production of a product, a small acceptable trace amount can be found on a RSL-compliant product due to minor contamination or atmospheric absorption. |
| Detection Limit      | Specifies the test method detection sensitivity that a laboratory must be able to achieve when measuring the substance in the product.   |
| Limit value          | Limit value as agreed in business sectors or by legal requirements. The limit is specified as the amount of the substance found in a specified amount of substrate, by weight (or more specifically, in milligrams of the substance per kilogram of product [mg/kg]). Concentration limits are applicable to any single part, or homogeneous part, of a product.                                       |
| mg/kg                | Milligram per kilogram   |
| Not Detected         | Indicates that the substance must not be detected in the final product.  |
| N/A                  | Not Applicable   |
| ppm                  | Parts per million, which is the same as milligram per kilogram   |
| Reporting Limit (RL) | The reporting limit is the lowest concentration the laboratory can report.  If the laboratory detects an amount of the substance below the RL, the laboratory report must state "Not Detected."  |
| Usage Ban            | A substance is prohibited of intentional use during all stages of product manufacturing. However, the RSL identifies an allowable trace amount due to unavoidable contamination.   |
| μg/kg                | Microgram per kilogram   |

| Relation between Uni | ts                |   |
|----------------------|-------------------|---|
| 1000 mg/kg Equals    | 1000 ррт          | Parts per million   |
|                      | 1 000 000 μg/kg   | Micro gram per kilogram (1 $\mu$ g/kg = 0,001 mg/kg = 1 $p$ pb (parts per billion)  |
|                      | 0,1 % (by weight) |   |
|                      | X μg/ m2          | X depends on the Weight of the fabric (kg/m2)   |
|                      | X μg/cm2/week     | X is the measure of the release of a substance from a surface, and is only partly dependent on the concentration of the substance |
|                      |                   |   |

| Miscellaneous            |  |
|--------------------------|--|
| Article                  | An object which during production is given a special shape, surface or design which determines its functio to a greater degree than does its chemical composition.  For Tiger of Sweden products the article definition includes individual components in the product, e.g.:  Zippers, labels, buttons, and other components that are attached to the garment  Shoe laces, metal eyelets, shoe soles, insoles and other components that are attached to shoes, bags etc.                                   |
| Children's Products      | A children's product is that which is made for, marketed for use by, or marketed to children age 12 and under.   |
| Packing Material         | <b>EU:</b> According to Directive (EC) No 94/62/EC of 20 December 1994 on packaging and packaging waste. The directive regulates substances in packaging material; meaning all products made of any materials of any nature to be used for the containment, protection, handling, delivery and presentation of goods, from raw materials to processed goods, from the producer to the user or the consumer.  |
|                          | USA: Means any container providing a means of marketing, protecting, or handling a product from its point of manufacture to its sale or transfer to a consumer, including a unity package, an intermediate package or a shipping container, as defined in the ASTM specification D 996. Packaging also includes, but is not limited to, unsealed receptacles, including carrying cases, crates, crates, cups, pails, rigid foil and other trays, wrapper sand wrapping films, bags, boxes, tape, and tubs. |
| Polyvinyl Chloride (PVC) | Polyvinyl chloride, or PVC for short, is a hard plastic that may be found in packaging materials, trims, footwear, and screen printing. PVC is prohibited from use in all Tiger of Swedens packaging and food contact products. In addition, Tiger of Sweden prefers all products do not contain PVC and supports efforts to phase-out PVC.  |
| UV STABILISER            | UV Stabilizer's might be used as UV-protection agents in coatings, plastics, rubber and polyurethanes. The primary function is to protect the substance from the long-term UV degradation effects from ultraviolet radiation. These stabilizers are very persistent and very bio accumulative.   |
| рΗ                       | pH is a measure of the acidity or basicity of a solution. A solution whose pH is 7 is said to be neutral, which means that it is neither acidic nor basic. pH values that do not fall within the specified limits can cause skin irritation.   |
| BIOCIDES GENERAL         | Biocides are biologically active substances, and their toxic and biocidal nature enables them to kill or harm living things. Since biocides by nature are used to have detrimental effects on biological organisms, they are at the same time a serious threat to living organisms that were not intended to be controlled. Biocides have adverse effects on the nervous system when entering the human body. They may irritate eyes, skin, and the respiratory system.                                    |

## 1.4.7 TABLES OF CHEMICALS

| Restricted S  | ubstance   | Tiger of Sweden Limit       | Test method & Reporting limit   | Regulation & Country   | SVHC |
|---|--|-----------------------------|---|--|------|
| CAS No. 101-14-4  101-77-9 101-80-4 106-47-8 119-90-4 119-93-7 120-71-8 137-17-7 139-65-1 60-09-3 615-05-4 838-88-0 87-62-7 90-04-0 91-59-8 91-94-1 92-67-1 92-87-5 95-53-4 95-68-1 95-69-2 95-80-7 97-56-3 99-55-8 95-79-4 | Substance  4,4-Methylene-bis[2-chloro-aniline]  4,4-Methylenedianiline  4,4'-oxydianiline  4-chloroaniline  o-Dianisidine  4,4'-bi-o-toluidine  p-Cresidine  2,4,5-trimethylaniline  4-Aminoazobenzene  4-methoxy-m-phenylenediamine  4,4-Methylenedi-o-toluidine  2,6-xylidine  o-Anisidine  2-Naphthylamine  3,3-Dichlorobenzidine  Biphenyl-4-ylamine  Benzidine  o-Toluidine  2,4-xylidine  4-Chloro-o-toluidine  4-methyl-m-phenylenediamine  o-Aminoazotoluene  5-Nitro-o-toluidine  2-Amino-3-Chlorotoluene** | 20 mg/kg for each arylamine | For all markets except China:  For textile: EN 14362-1, -3  For leather: ISO 17234-1, -2  Reporting limit: 5 mg/kg (per each of the arylamine breakdown products)  Products for China market:  China standard GB 18401 For Textile: GB/T 17592  China standard GB 20400 For Leather: GB/T 19942  China standard GB/ 23344 for p-AAB  Reporting limit: 5 mg/kg | EU Legal limit: 1000mg/kg for Navy Blue, 30 mg/kg per each of other arylamine breakdown products, in REACH, Annex XVII, entry 43 & 72*  Norway: Legal limit 30 mg/kg China: Legal limit: 20 mg/kg Vietnam: Legal limit ≤ 30 g/kg Japan: Legal limit ≤ 30 mg/kg India: Legal limit 30 mg/kg Egypt: Legal limit 30 mg/kg | X    |

| Restricted Sub | ostance  | Tiger of Sweden Limit | Test method & Reporting limit | Regulation & Country | SVHC |
|----------------|--|-----------------------|-------------------------------|----------------------|------|
| 106-50-3       | 1,4-Diaminobenzene**   |                       |                               |                      | X    |
| 3165-93-3      | 4-chloro-o-toluidinium chloride *  |                       |                               |                      |      |
| 553-00-4       | 2-Naphthyl-ammoniumacetate *   |                       |                               |                      |      |
| 39156-41-7     | 4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate * |                       |                               |                      |      |
| 21436-97-5     | 2,4,5-trimethylaniline hydrochloride *                                   |                       |                               |                      |      |
| 118685-33-9    | Navy Blue (EC. No. 405-665-4)  | 1000 mg/kg            | Navy Blue: EN ISO 16373       |                      |      |

<sup>\*\*</sup> Banned amines that are included in GOTS ver. 5.0

| Alkylphenols (AP), Alkylphenol ethoxylates (APEO) and its derivatives  PROCESS CHEMICAL |  |  |  |  | EMICALS |
|---|--|--|--|--|---------|
| Restricted Substance  |  | Tiger of Sweden Limit  | Test method & Reporting  | Regulation & Country   | SVHC    |
| CAS No.<br>Various, incl. 68987-90-6,<br>9036-19-5,<br>9002-93-1                        | Substance (OPEO) Octylphenol Ethoxylates   |  |  |  | X       |
| Various, incl. 9016-45-9,<br>26027-38-3,<br>37205-87-1,<br>68412-54-4,<br>127087-87-0   | (NPEO)<br>Nonylphenol Ethoxylates  | Usage ban  Trace: 100 mg/kg for total  NPEO/OPEO  A total of all Aps and APEO's must | ISO 18254 -1, -2 (textile),<br>APEO<br>EN ISO 21084 (textile), AP<br>ISO 18218-1, -2 (leather) | EU Legal limit: Shall not be placed on the market after 3 February 2021 in textile articles which can reasonably be expected to be washed in water   | x       |
| Various, incl. 27193-28-8,<br>140-66-9,<br>1806-26-4,<br>85771-77-3                     | (OP)<br>Octylphenol  | not exceed: 100 mg/kg  | Plastics/Polymer:<br>THF/ ACN Extraction,<br>Analyzed by GCMS / LCMS                           | during their normal lifecycle, in concentrations equal to or greater than 0.01% by weight of that textile article or of each part of the textile article.  | X       |
| Various including 25154-<br>52-3,<br>104-40-5,<br>84852-15-3,<br>11066-49-2             | (NP)<br>Nonylphenol  | Trace: Not Detected for NP/OP  Shall not be used in processes intendedly.            | Reporting limit:<br>NPEO/OPEO: 50 mg/kg<br>NP/OP: 10 mg/kg                                     | Exemptions: second-hand textile articles or of new textile articles produced, without the use of NPE, exclusively from recycled textiles.  | x       |
| Various   | Tris(4-nonylphenyl,<br>branched and linear)<br>phosphite(TNPP) with≥<br>0.1% w/w of4-nonylphenol,<br>branched and linear(4-NP) |  |  | NP is in REACH, Annex XVII, entry 46  NPEO is in REACH Annex XVII, entry 46a with restriction on textiles intended to be washed in water during its lifecycle with a legal limit of 100mg/kg, effective Feb 2021 | x       |
| Various   | 4-heptylphenol, branched and linear  |  |  |  | X       |
| 80-46-6   | p-(1,1-dimethylpropyl)<br>phenol   |  | THF/ ACN Extraction,<br>Analyzed by GCMS / LCMS  |  | X       |
| 98-54-4   | 4-tert-butylphenol   |  |  |  | X       |

<sup>1.4</sup> Restricted Substance List, May 2023 Page 20 of 72

| Allergenic Disperse Dyes PROPERTY LENDING CHEMI   |  |   |   |   |
|---|--|---|---|---|
| Restricted Sul  | ostance  | Tiger of Sweden Limit   | Test method & Reporting limit   | Regulation & Country  |
| CAS No. 2475-45-8 2475-46-9 3179-90-6 3860-63-7 12222-75-2 12222-97-8 12223-01-7 61951-51-7 23355-64-8 2581-69-3 730-40-5 12223-33-5 13301-61-6 2872-52-8 2872-48-2 3179-89-3 119-15-3 2832-40-8 6373-73-5 12236-29-2 54824-37-2 6250-23-3 85136-74-9 * Dispares Divide | Substance Disperse Blue 1* Disperse Blue 3* Disperse Blue 26 Disperse Blue 26 Disperse Blue 102 Disperse Blue 102 Disperse Blue 104* Disperse Brown 1 Disperse Orange 1 Disperse Orange 3* Disperse Red 1* Disperse Red 11 Disperse Red 17 Disperse Yellow 3* Disperse Yellow 39 Disperse Yellow 49 Disperse Yellow 23 Disperse Orange 149 | Usage Ban Trace: 50mg/kg (3,3mg/L)  JFBG § 30 of Food and Commodities A | DIN 54231 (qualitative)  EN ISO 16373 (extractable dyestuff)  Reporting limit: 1 mg/l per substance | Germany, South Korea and practically globally due the fact that nearly all brands and retailers have these on their RSL's.  South Korea: restriction limit 50mg/kg (Equals 3,3mg/L under DIN 54231) |

| Bisphenol              | ls   |                                   |  | PROCESS CH   | EMICAI |
|------------------------|--|-----------------------------------|--|--|--------|
| Restricted S           | bubstance  | Tiger of Sweden Limit             | Test method & Reporting limit  | Regulation & Country   | SVHC   |
| CAS No.<br>80-05-7     | Substance Bisphenol A; BPA (4,4'- isopropyllidenediphenol) | Should not be present in products | pr ISO 11936 (leather) No standardised test method for textile available.  LC-MS, GC-MS.               | Bisphenol A (BPA) is restricted in REACH (Annex XVII, entry 66 in thermal paper Also used in the production of epoxy resin, polycarbonate plastics, flame retardants and PVC   | X      |
| 6807-17-6              | Bisphenol A; BPA 2,2-bis(4'-hydroxyphenyl)-4-methylpentane |                                   |  |  | X      |
| 77-40-7                | Bisphenol B (4,4'-(1-<br>methylpropylidene)bisphenol)      |                                   |  |  | X      |
| 80-09-1                | Bisphenol S<br>(4,4'-sulphonyldiphenol)                    |                                   |  |  | X      |
| Blowing a              | gents  |                                   |  | PROCESS CH   | EMICA  |
| Restricted S           | Substance  | Tiger of Sweden Limit             | Test method & Reporting limit  | Regulation & Country   | SVHC   |
| CAS No.<br>123-77-3    | Substance C,C'-azodi(formamide) (ADCA)                     | 200 ppm                           | No standardised test method<br>available for textiles.  Test equipment: GC-MS, LC-MS<br>LOQ: 200 mg/kg | Candidate list of Substances of Very High<br>Concern (SVHC) for the authorization of the<br>Regulation (EC) No 1907/2006 of the European<br>Parliament of the Council (REACH). | X      |
| 302-01-2,<br>7803-57-8 | Hydrazine  |                                   |  |  | X      |

|  | nic Dyestuffs  |                                       |  | PROPERTY LENDING CHEMICAL   |                  |  |
|--|--|---------------------------------------|--|---|------------------|--|
| Restricted Substance   |  | Tiger of Sweden Limit                 | Test method & Reporting limit  | Regulation & Country  | SVHC             |  |
| CAS No. 2475-45-8 82-28-0 6250-23-3 3761-53-3 569-61-9 632-99-5 1937-37-7 2602-46-2 573-58-0 16071-86-6 85136-74-9 | Substance Disperse Blue 1* & ** Disperse Orange 11 Disperse Yellow 23 Acid Red 26 Basic Red 9 ** Basic Violet 14 Direct Black 38 Direct Blue 6 Direct Red 28 Direct Brown 95 Disperse Orange 149 | Usage Ban Trace: 50mg/kg<br>(3,3mg/L) | DIN 54231 (qualitative)  EN ISO 16373 (extractable dyestuff)  Reporting limit: | South Korea: restriction limit 50mg/kg (Equals 3,3mg/L under DIN 54231) | X                |  |
| 6786-83-0<br>2580-56-5<br>548-62-9<br>101-61-1<br>561-41-1   | Solvent Blue 4  Basic Blue 26  Basic Violet 3 **  Michler's base  4,4'-bis(dimethylamino)-4"- (methylamine)trityl alcohol  |                                       | 1 mg/l per substance   |   | X<br>X<br>X<br>X |  |

PART 1 Production Agreement & CR

| Diisocyana          | ees  |                         |  | PROCESS & PROPERTY LENDING CHEMICALS & RELATED MANUFACTURING                           |  |  |
|---------------------|--|-------------------------|--|--|--|--|
| Restricted Su       | bstance                                      | Tiger of Sweden Limit   | Test method & Reporting limit  | Regulation & Country   |  |  |
| CAS No.<br>101-68-8 | Substance (MDI) Diphenylmethane diisocyanate | Free: 1<br>Blocked: 50  | Free: Solvent extraction   | Methylene diphenyl diisocyanate (MDI) and its isomers is                               |  |  |
| 822-06-0            | (HDI)<br>Hexamethylene diisocyanate          | Free: 1<br>Blocked: 100 | analysis by HPLC.  | restricted when used as a component of consumer products in REACH Annex XVII, Entry 56 |  |  |
| 4098-71-9           | (IPDI)<br>Isophorone diisocyanate            | Free: 1<br>Blocked: 100 | Blocked: Solvent extraction by GC-MS with injector block   |  |  |  |
| 2778-42-9           | (TMXDI) Tetramethylxylene diisocyanate       | Free: 1<br>Blocked: 15  | temperature of 300 °C.  If detected, confirmation test at  |  |  |  |
| 584-84-9            | (TDI) Toluene diisocyanate                   | Free: 1<br>Blocked: 50  | 180°C is needed to avoid false positive detection of diisocyanate from polyurethane decomposition in injector block of GC/MS device. |  |  |  |

| Flame Retard   | dants   |  |  | PROPERTY LENDING CH   | HEMICALS |
|--|---|--|--|---|----------|
| Restricted Sub   | ostance   | Tiger of Sweden Limit                              | Test method & Reporting limit  | Regulation & Country  | SVHC     |
| Polybromina  | ted biphenyls (PBB) and Polybrom  | inated diphenyl ethers (PB                         | DE)  |   |          |
| CAS No. 59536-65-1 5436-43-1 32534-81-9 68631-49-2, 207122-15-4 446255-22-7 207122-16-5 32536-52-0 1163-19-5 | Substance  (PBBs) Polybrominated biphenyls Tetrabromodiphenyl ether (TetraBDE)  (PentaBDE) Penta-bromodiphenyl ether Hexabromodiphenyl ether (HexaBDE) Heptabromodiphenyl ether (HeptaBDE) (OctaBDE) Octa-bromodiphenyl ether (DecaBDE) Decabromodiphenyl ether | Usage Ban Trace: 1 mg/kg  Usage Ban Trace: 5 mg/kg | EN 16377 for PBB (Plastics)  EN ISO 17881-1 for brominated flame retardants in textiles; | PBBs are in REACH, Annex XVII, entry 8.  OctaBDE & DecaBDE are listed in REACH, Annex XVII, entry 45 & 67  Banned in REACH Regulation (EC) No 756/2010.  Commercial TetraBDE, PentaBDE, HexaBDE, HeptaBDE, DecaBDE (sum 500 ppm in products) and Hexabromobiphenyl (ban) are listed in the Stockholm Convention on Persistent Organic Pollutants (POPs) and banned by Regulation (EC) No 2019/1021. | X        |
| Chlorinated  | paraffins   |  |  |   |          |
| CAS No.<br>85535-84-4  | Substance (SCCP) Short-chain chloroparaffins, (C10-C13)   |  |  | SCCP is listed in POPs* and banned by Regulation (EC) No 850/2004**.  Norway has a national legislation from 1 July 2012 with restrictions for Medium- chain (C14-C17) chloroparaffins of 0.1 % by weight in articles.  | X        |
| 85535-85-9   | (MCCP) Medium-chain<br>chloroparaffins, (C14-C17)   | Usage Ban  | EN ISO 18219:2016<br>Reporting limit: 100 mg/kg  |   |          |
| 85535-86-0   | (LCCP) Long-chain<br>chloroparaffins (C18-)   | Trace: 0.1 % by weight                             |  |   |          |

| Restricted Sub  | stance                                       | Tiger of Sweden Limit | Test method & Reporting limit  | Regulation & Country   | SVHC |
|---|--|-----------------------|--|--|------|
| Others  |  |                       |  |  |      |
| CAS No.<br>25637-99-4,<br>3194-55-6,<br>134237-50-6,<br>134237-51-7,<br>134237-52-8 | Substance (HBCDD) Hexabromocyclododecane     |                       | EN ISO 17881- 1 for brominated flame retardants  | HBCDD is listed in POP* and banned by Regulation (EC) No 850/2004** Legal limit: 0.01% by weight  HBCDD and all major isomers are in REACH, Annex XIV. | x    |
| 78-30-8   | Tri-o-cresyl phosphate                       | Usage Ban             |  |  |      |
| 126-72-7  | (TRIS) Tris (2,3-dibromopropyl) phosphate    | Trace: 5 mg/kg        | EN ISO 17881- 2 for phosphorous flame  | TRIS is in REACH, Annex XVII, entry 4.   |      |
| 5412-25-9   | (BDBPP) Bis<br>(2,3-dibromopropyl) phosphate |                       | retardants   |  |      |
| 115-96-8  | (TCEP) Tris(2-chloroethyl)phosphate          |                       |  |  | X    |
| 545-55-1  | (TEPA) Tris (1-aziridinyl)-phosphine oxide   |                       | KOH or NaOH digestion<br>followed by GC-MS<br>headspace analysis for<br>ethyleneimine. | TEPA is in REACH, Annex XVII, entry 7.   |      |
| 25155-23-1  | (TXP) Trixylyl phosphate                     |                       | EN ISO 17881- 2 for<br>phosphorus flame<br>retardants                                  |  | x    |
| 26040-51-7  | Bis(2-ethylhexyl) tetrabromophthalate (TBPH) |                       | GC-MS, LC-MS, GC-<br>ECD,<br>XRF to detect bromine                                     |  | x    |

<sup>1.4</sup> Restricted Substance List, May 2023 Page 26 of 72

| Boric acid, borate compounds*  PROPERTY LENDING CHEMICALS |  |                       |  |                              |      |  |  |  |
|---|--|-----------------------|--|------------------------------|------|--|--|--|
| Restricted Su   | bstance                                      | Tiger of Sweden Limit | Test method & Reporting limit              | Regulation & Country         | SVHC |  |  |  |
| CAS No.   | Substance                                    |                       |  |                              |      |  |  |  |
| 10043-35-3<br>11113-50-1                                  | Boric acid                                   |                       |  |                              | X    |  |  |  |
| 1303-96-4<br>1330-43-4<br>12179-04-3                      | Disodium tetraborate anhydrous               | — Usage ban           | 1) AAS 2) ICP-MS and ICP-OES               | Legal limit:                 | X    |  |  |  |
| 12267-73-1  | Tetraboron disodium heptaoxide hydrate       | Usage Dali            | Reporting limit:<br>1) 1000 µg/kg as Boron | 1000 mg/kg or 0.1% by weight | X    |  |  |  |
| 234-390-0   | Sodium perborate; perboric acid, sodium salt |                       | 2) 100 μg/kg as Boron                      |                              | X    |  |  |  |
| 7632-04-04  | Sodium peroxometaborate                      |                       |  |                              | X    |  |  |  |
| 12008-41-2  | Disodium octaborate,                         |                       |  |                              | X    |  |  |  |
| 13840-56-7  | Orthoboric acid, sodium salt, e.g.           |                       |  |                              | X    |  |  |  |
| 13701-59-2  | Barium diboron tetraoxide,                   |                       |  |                              | X    |  |  |  |
| *Commonly fo  | ound in Wood material in packaging.          | ,                     | '  | 1                            | ·    |  |  |  |

|  | PROPERTY LENDING CHEMICALS  |   |  |
|--|---|---|--|
| Tiger of Sweden Limit  | Test method & Reporting limit   | Regulation & Country  |  |
| Children < 3 yrs.: Not Detected  Adults with direct skin contact*: 75 mg/kg  Adults without direct skin contact**: 300 mg/kg | EN ISO 14184-1(textiles) ISO 17226-1 (leather, HPLC analysis) ISO 17226-2 (leather, colorimetric analysis) ISO 17226-3 (leather, VOC analysis) ISO 27587 (leather, process auxiliaries) Test method specified in Japan law 112 LOQ: 16 mg/kg Reporting limit: 16 mg/kg Wood & wood-based materials: | See "Formaldehyde regulations worldwide" for textiles below.  Formaldehyde will be added to REACH, Annex XVII, entry 72. Refer to footnote ***  |  |
|  | Children < 3 yrs.: Not Detected  Adults with direct skin contact*: 75 mg/kg  Adults without direct skin   | Children < 3 yrs.: Not Detected  Adults with direct skin contact*: 75 mg/kg  Adults without direct skin contact*: 75 contact**: 300 mg/kg  ISO 17226-2 (leather, the colorimetric analysis) ISO 17226-3 (leather, VOC analysis) ISO 27587 (leather, process auxiliaries)  Test method specified in Japan law 112  LOQ: 16 mg/kg  Reporting limit  EN ISO 14184-1(textiles) ISO 17226-1 (leather, HPLC analysis) ISO 27587 (leather, colorimetric analysis) ISO 27587 (leather, process auxiliaries) |  |

<sup>\*</sup> Products for adults where any part of the product such as collar, cuff, body or sleeves, has direct prolonged contact with the skin during normal use.

<sup>\*\*</sup> Products for adults where only a portion of the product, <u>occasionally</u> may have contact with the skin during normal use.

<sup>\*\*\*</sup> From 2020, formaldehyde will have a restriction limit of 75 mg/kg in textiles according to Annex XVII, entry 72 of Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH). During a transition period, jackets, coats or upholstery will have a restriction limit of 300 mg/kg.

| Formaldehyo | de regulations worldwide   |  |
|-------------|--|--|
| Country     | Regulations/Requirements   | Objection Limit / Limit  |
| Germany     | Gefahrstoffverordnung (Hazardous<br>Substances Ordinance) Annex III, No. 9,<br>26.10.1993      | Textiles that normally come into contact with the skin and release more than 1500 mg/kg formaldehyde must bear the label:" Contains formaldehyde".  Washing this garment is recommended prior to first time use in order to avoid irritation of the skin."       |
| France      | Official Gazette of the French Republic,<br>Notification 97/0141/F                             | The regulations apply to products that are intended to come into contact with human skin, Including: textiles, leather, shoes etc.  Textiles for babies: 20 mg/kg.  Textiles in direct skin contact: 100 mg/kg. Textiles  not in direct skin contact: 400 mg/kg. |
| Netherlands | The Dutch (Commodities Act) Regulations on Formaldehyde in Textiles (July 2000)                | Textiles in direct skin contact must be labelled:" Wash before first use" if they contain more than 120 mg/kg formaldehyde and the product must not contain more than 120 mg/kg formaldehyde after wash  |
| Austria     | Formaldehydverordnung, BGBL Nr. 194/1990   | Textiles that contains 1500 mg/kg or above must be labelled.   |
| Finland     | Decree on Maximum Amounts of<br>Formaldehyde in Certain Textiles Products<br>(Decree 210/1988) | Textiles for babies under 2 years: 30 mg/kg. Textiles in direct skin contact: 100 mg/kg. Textiles not in direct skin contact: 300 mg/kg.   |
| Norway      | Regulations Governing the Use of a Number of<br>Chemicals in Textiles (April 1999)             | Textiles for babies under 2 years: 30 mg/kg. Textiles in direct skin contact: 100 mg/kg. Textiles not in direct skin contact: 300 mg/kg.   |
| China       | Limits of Formaldehyde Content in<br>Textiles: GB18401,<br>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   |

| Melamine             |                       |   |   |   |      |  |  |  |
|----------------------|-----------------------|---|---|---|------|--|--|--|
| Restricted Substance |                       | Tiger of Sweden Limit Test method & Reporting |   | Regulation & Country  | SVHC |  |  |  |
| CAS No.<br>108-78-1  | Substance<br>Melamine | products.                                     | No standardized test method<br>available.<br>Test equipment LC-MS, GC-<br>MS. | Included in the Candidate list of Substances of Very High Concern (SVHC) for the authorization of the Regulation (EC) No 1907/2006 of the European Parliament of the Council (REACH). | X    |  |  |  |

| Metal Restr   | ictions – Textile & Le | ather   |                            | PROPERTY LENDING CHEMICALS   |                                  |      |  |
|---------------|------------------------|---|----------------------------|--|----------------------------------|------|--|
| Restricted Su | bstance                | Tiger of Sweden Limi                              | t (mg/kg)                  | Test method & Reporting limit  | Regulation & Country             | SVHC |  |
| Extractable   | Metals                 | Textile (natural & synthetic, artificial leather) | Leather (natural & coated) |  |                                  |      |  |
| CAS No.       | Substance              |   |                            | Metal chromium (Cr) may be analysed by:  EN 16711-1 (total content in textiles and accessories) EN 16711-2 (extractable content in textile and accessories)  ISO 17072-1 (extractable content in leather)  ISO 17072-2 (total content in leather)  LOQ 10 mg/kg (total contant)  LOQ 0,1 mg/kg (extractable contant)  Cr <sup>+6</sup> :  ISO 17075 -1, -2 (leather).  EN ISO 10195 (pre-aged leather)  No standardised test method available for textiles.UV-VIS Spectrometer |                                  |      |  |
| 7440-36-0     | (Sb) Antimony          | 30  | 30                         | Reporting limit: 0.5 mg/kg   |                                  |      |  |
| 7440-38-2     | (As) Arsenic *         | 1   | 1                          |  | In REACH, Annex XVII, entry 19 * | X**  |  |

| 7440-43-9  | (Cd) Cadmium *                    | 0.1                        | 0.1                      | Textile:                 | In REACH, Annex XVII, entry 23 *                             | X** |
|------------|-----------------------------------|----------------------------|--------------------------|--------------------------|--|-----|
| 7440-47-3  | (Cr) Chromium                     | 2                          | 200                      | EN ISO 105-E04           |  |     |
| 18540-29-9 | (Cr <sup>+6</sup> ) Chromium VI * | Not Detected<br>Trace: 0.5 | Not Detected<br>Trace: 3 | Determination: ICP-MS    | In REACH, Annex XVII, entry 47 *                             |     |
| 7440-48-4  | (Co) Cobalt                       | 4                          | 4                        | Leather:                 |  |     |
| 7440-50-8  | (Cu) Copper                       | 50                         | 50                       | EN ISO 17072-1 & 17072-2 |  |     |
| 7439-92-1  | (Pb) Lead *                       | 1                          | 1                        | Reporting limit: 3 mg/kg | In REACH, Annex XVII, entry 63 * Danish Regulation for lead. | X** |
| 7439-97-6  | (Hg) Mercury                      | 0.02                       | 0.02                     |                          | In REACH, Annex XVII, entry 18A                              |     |
| 7782-49-2  | (Se) Selenium                     | N/A                        | N/A                      |                          |  |     |
| 7440-02-0  | (Ni) Nickel                       | 4                          | 1                        |                          |  |     |

<sup>\*</sup> From 2020, Arsenic and its compounds, Cadmium and its compounds, Lead and its compounds, Chromium VI compounds will have a restriction of 1 mg/kg (extractable content) in textiles according to Annex XVII, entry 72 of Regulation (EC) No 1907/2006 of the European Parliament and of the council (REACH) \*\* Various Arsenic, Cadmium and Lead compounds are listed in the SVHC Candidate list of REACH.

| Metal Restr  | Metal Restrictions – Textile & Leather PROPERTY LENDING CHEMICALS |   |                            |   |   |   |  |  |
|--|---|---|----------------------------|---|---|---|--|--|
| Restricted Substance Tiger of Sweden Limit (mg/kg) |   | Test method & Reporting limit                     | Regulation & Country       | SVHC  |   |   |  |  |
| Total Metal  | Content   | Textile (natural & synthetic, artificial leather) | Leather (natural & coated) |   |   |   |  |  |
| CAS No.  | Substance   |   |                            | EN 1122 or acid digestion   | In REACH, Annex XVII, entry 23  | X |  |  |
| 7440-43-9  | (Cd) Cadmium  | N/A   | 100                        | EN 1122 of acid digestion   | III KEMOTI, Miliex XVII, entry 25   | A |  |  |
| 7439-92-1  | (Pb) Lead   | N/A   | 90                         | ASTM F2853 in paint and surface coating CPSC-CH-E1001-08 in metal CPSC-CH-E1002-08 in non-metal CPSC-CH-E1003-09 in paint & surface coating | In REACH, Annex XVII, entry 63  Danish Regulation for lead must always be considered. | x |  |  |

\* Cr+6 testing must always be conducted <u>WITH AGEING</u> (80°C, <5% humidity, 24 hours

| Metal Restr          | Metal Restrictions – Metal & Plastic (trims, buckles, sundries* etc.)  PROPERTY LENDING CHEMICA |                               |       |   |                                |      |  |  |  |
|----------------------|---|-------------------------------|-------|---|--------------------------------|------|--|--|--|
| Restricted Substance |   | Tiger of Sweden Limit (mg/kg) |       | Test method & Reporting limit                     | Regulation & Country           | SVHC |  |  |  |
| Extractable Metals   |   | Children (< 12 yrs)           | Adult |   |                                |      |  |  |  |
| CAS No.              | Substance   |                               |       | Maria Plani                                       |                                |      |  |  |  |
| 7440-36-0            | (Sb) Antimony   | 60                            | N/A   | Metal & Plastic:                                  |                                |      |  |  |  |
| 7440-38-2            | (As) Arsenic  | 25                            | N/A   | Total heavy metal agreening                       | In REACH, Annex XVII, entry 19 |      |  |  |  |
| 7440-39-3            | (Ba) Barium   | 1000                          | N/A   | Total heavy metal screening refers to: ASTM F963, |                                |      |  |  |  |
| 7440-43-9            | (Cd) Cadmium**  | 17                            | 75    | when positive use EN71-3                          | In REACH, Annex XVII, entry 23 | X    |  |  |  |
| 7440-47-3            | Chromium III  | 60                            | N/A   | (EU Toy Safety Directive)                         | ·                              |      |  |  |  |
| 7440-47-3            | Chromium VI   | 0.2                           | N/A   | (120 Toy Salety Bricelive)                        |                                |      |  |  |  |

| Metal Restr          | Metal Restrictions – Metal & Plastic - continued  PROPERTY LENDING CHEMICAL |  |  |                               |  |      |  |  |  |
|----------------------|---|--|--|-------------------------------|--|------|--|--|--|
| Restricted Substance |   | Tiger of Sweden Limit (mg/kg)                    |  | Test method & Reporting limit | Regulation & Country   | SVHC |  |  |  |
| 7439-92-1            | (Pb) Lead   | 90   | 90   | See above                     | In REACH, Annex XVII, entry 63, for Jewelry & Accessories.  Danish Regulation for lead must always be considered | X    |  |  |  |
| 7439-97-6            | (Hg) Mercury  | 60   | N/A  |                               | In REACH, Annex XVII, entry 18A  |      |  |  |  |
| 7440-02-0            | Nickel release***   | contact. Maximum relea<br>0,5 μg/cm²/week (non-p | Metal parts in direct & prolonged skin contact. Maximum release: 0,5 µg/cm²/week (non-pierced) 0,2 µg/cm²/week (pierced) |                               | In REACH, Annex XVII, entry 27   |      |  |  |  |
| Total Metal          | Content   | Children (< 12 yrs.)                             | Adult  |                               |  |      |  |  |  |
| CAS No.              | Substance   |  |  | EN 1122 or acid digestion     | In REACH, Annex XVII, entry 23.  | v    |  |  |  |
| 7440-43-9            | (Cd) Cadmium**  | 100  | 100  | EIV 1122 of acid digestion    | in Kizhon, minex Avn, entry 23.  | Λ    |  |  |  |

| 7439-92-1 | (Pb) Lead | 90 | 90 | ASTM F2853 in paint and surface coating CPSC-CH-E1001-08 in metal CPSC-CH-E1002-08 in non-metal CPSC-CH-E1003-09 in paint & surface coating | In REACH, Annex XVII, entry 63 for<br>Jewelry & Accessories  Danish Regulation for lead must always be<br>considered | X |
|-----------|-----------|----|----|---|--|---|
|           |           |    |    | in paint & surface coating  |  |   |

<sup>\*</sup> Sundries: Items that are permanently attached to the garment/footwear. Includes zippers, rivets, buttons, care labels, name labels, and tags.

<sup>\*\*</sup> Not applicable for inorganic glass.

<sup>\*\*\*</sup> Nickel release restriction includes all metal trims and jewelry that are in direct and prolonged skin contact.

\*\*\*\* For metal parts with surface coating, perform abrasion of coated surface according to EN 12472:2005+A1:2009 before Nickel release according to EN 1811:2011+A1:2015. For non-coated items: EN 1811:2011+A1:2015

<sup>\*\*\*\*\*</sup> For spectacle frames and sunglasses, test according to EN 16128.

| Metal Restrictions – Jewelry  PROPERTY LENDING CHEMICA |                   |  |   |   |          |  |
|--|-------------------|--|---|---|----------|--|
| Restricted Substance  Extractable Metals               |                   | Tiger of Sweden Limit (mg/kg)  | Test method & Reporting limit   | Regulation & Country  | SVHC     |  |
|  |                   | Adult*   |   |   |          |  |
| CAS No.  | Substance         |  |   |   |          |  |
| 7440-36-0  | (Sb) Antimony     | 60   |   |   |          |  |
| 7440-38-2  | (As) Arsenic      | 25   | Metal & Plastic:  | In REACH, Annex XVII, entry 19  |          |  |
| 7440-39-3  | (Ba) Barium       | 1000   | Metal & Flastic.  |   |          |  |
| 7440-43-9  | (Cd) Cadmium**    | 75   | Total heavy metal screening   | In REACH, Annex XVII, entry 23.   | X        |  |
| 7440-47-3  | Chromium          | 60   | refers to: ASTM F963,   |   |          |  |
| 7439-92-1  | (Pb) Lead         | 50   | when positive use EN71-3<br>(EU Toy Safety Directive)   | In REACH, Annex XVII, entry 63 for Jewelry & Accessories.  Danish Regulation for lead must always be considered | X        |  |
| 7439-97-6  | (Hg) Mercury      | 60   |   | In REACH, Annex XVII, entry 18A.  |          |  |
| 7782-49-2  | (Se) Selenium     | 500  |   |   |          |  |
| 7440-02-0  | Nickel release*** | Metal parts in direct & prolonged skin contact. Maximum release: 0,5 μg/cm²/week (non-pierced) 0,2 μg/cm²/week (pierced) | Nickel release:<br>EN 1811****<br>EN 16128****  | In REACH, Annex XVII, entry 27.   |          |  |
| Total Meta   | 1 Content         | Adult*   |   |   |          |  |
| CAS No.  | Substance         |  | EN 1122 or acid digestion   | In REACH, Annex XVII, entry 23.   | X        |  |
| 7440-43-9  | (Cd) Cadmium**    | 75   | EN 1122 of acid digestion   | III REACH, Allilex XVII, entry 25.  | <b>A</b> |  |
| 7439-92-1  | (Pb) Lead         | 40   | ASTM F2853 in paint and surface coating CPSC-CH-E1001-08 in metal CPSC-CH-E1002-08 in non-metal CPSC-CH-E1003-09 in paint & surface coating | In REACH, Annex XVII, entry 63 for Jewelry & Accessories.  Danish Regulation for lead must always be considered | X        |  |

<sup>\*</sup> Limits only valid for products for adults.

<sup>\*\*\*</sup> Not applicable for inorganic glass

\*\*\* Nickel release restriction includes all metal trims and jewelry that are in direct and prolonged skin contact.

\*\*\*\* For metal parts with surface coating, perform abrasion of coated surface according to EN 12472:2005+A1:2009 before Nickel release according to EN 1811:2011+A1:2015. For non-coated items: EN 1811:2011+A1:2015.

<sup>\*\*\*\*\*</sup> For spectacle frames and sunglasses, test according to EN 16128.

| Monomers             |  |                               |               |   |      |
|----------------------|--|-------------------------------|---------------|---|------|
| Restricted Substance |  | Tiger of Sweden Limit (mg/kg) | Test<br>metho | Regulation & Country  | SVHC |
| CAS No.              | Substance                              |                               |               |   |      |
| 79-06-1              | Acrylamide                             | 0.1                           |               |   | X    |
| 107-13-1             | Acrylonitrile                          | 1                             |               |   |      |
| 106-99-0             | 1,3-Butadiene                          | 1                             |               |   |      |
| 141-32-2             | Butylacrylate                          | 50                            |               |   |      |
| 97-88-1              | Butylmethacrylate                      | 50                            |               |   |      |
| 126-99-8             | Chloroprene,<br>2-chlorobuta-1,3-diene | 50                            |               |   |      |
| 563-47-3             | 3-chloro-2-methylpropene               | 10                            |               |   |      |
| 100-45-8             | 4-Cyanocyclohexene                     | 50                            | Validated     |   |      |
| 103-11-7             | 2-Ethylhexyl acrylate                  | 50                            | Method,       |   |      |
| 4994-16-5            | 4-Phenylcyclohexene                    | 50                            | Headspace     |   |      |
| 140-88-5             | Ethylacrylate                          | 10                            | GC/MS         |   |      |
| 97-63-2              | Ethylmethacrylate                      | 50                            | Identificati  |   |      |
| 79-39-0              | Methacrylamide                         | 50                            | on.           |   |      |
| 96-33-3              | Methylacrylate                         | 50                            |               |   |      |
| 80-62-6              | Methylmethacrylate                     | 50                            |               |   |      |
| 924-42-5             | N-Methylolacrylamide                   | 5                             |               |   |      |
| 100-42-5             | Styrene                                | 500                           |               |   |      |
| 100-40-3             | 4-Vinylcyclohexene                     | 50                            |               |   |      |
| 924-42-5             | N-(hydroxymethyl)acrylamide            | 500                           |               | Included in the Candidate list of<br>Substances of Very High Concern<br>(SVHC) for the authorization of the<br>Regulation (EC) No | X    |
| 75-01-4              | Vinyl chloride                         | 1                             | EN ISO 6401   |   |      |

PART 1 Production Agreement & CR

| N-Nitrosamines*, 9 kinds |                           |                                      |   |                       |  |  |
|--------------------------|---------------------------|--------------------------------------|---|-----------------------|--|--|
| Restricted Substance     |                           | Tiger of Sweden Limit                | Test method & Reporting limit   | Regulation & Country  |  |  |
| CAS No.                  | Substance                 | Usage Ban  Trace: 0.5 mg/kg for each |   |                       |  |  |
| 62-75-9                  | N-Nitrosodimethylamine    |                                      | GB/T 24153-2009**   |                       |  |  |
| 55-18-5                  | N-nitrosodiethylamine     |                                      | Determination using GC/MS, with LC/MS/MS/MS verification if positiv  Alternatively, LC/MS/MS may be performed on it own prEN 19577:2017 |                       |  |  |
| 621-64-7                 | N-nitrosodipropylamine    |                                      |   |                       |  |  |
| 924-16-3                 | N-nitrosodibutylamine     |                                      |   | Regulated in China*** |  |  |
| 100-75-4                 | N-nitrosopiperidine       |                                      |   | Regulated in Clinia   |  |  |
| 930-55-2                 | N-nitrospyrrolidine       |                                      |   |                       |  |  |
| 59-89-2                  | N-nitrosomorpholine       |                                      |   |                       |  |  |
| 614-00-6                 | N-nitroso-N-methylaniline |                                      |   |                       |  |  |
| 612-64-6                 | N-nitroso-N-ethylaniline  |                                      |   |                       |  |  |

<sup>\*</sup> Most common in Shoe Sole Materials (Rubber).

\*\*GB/T 24153-2009 "Rubber and elastomer materials – Determination of N-nitrosamines"

<sup>\*\*\*</sup>GB25038-2010 " Rubber shoes healthy and safety specification and GB25036-2010 " Children's Canvas Rubber Footwear"

| Perfluorinate             | Perfluorinated and Polyfluorinated Chemicals (PFCs)  PROPERTY LENDING CHEMICALS  |                       |   |                              |      |  |  |
|---------------------------|--|-----------------------|---|------------------------------|------|--|--|
| Restricted Sub            | stance   | Tiger of Sweden Limit | Test method & Reporting limit   | Regulation & Country         | SVHC |  |  |
| CAS No.                   | Substance  |                       |   |                              |      |  |  |
| 29420-49-3<br>220689-12-3 | Highly fluorinated sulfonic acids and related substances, including PFOS Perfluorooctane sulphonate and PFOS metallic salt, halogenide, amide and other derivatives. See next page for substances. | Usage Ban             | EN/TS 15968 EN 17681-1, 2 (textile and textile products) Test equipment: LC-MS LOQ: 0.1 μg/m <sup>2</sup> | See regulation on next page. | X    |  |  |
| Various                   | Highly fluorinated carboxylic acids and related substances, including PFOA Perfluorooctanoic acid, its salts and esters. See next page for substances.   | Usage Ban             | EN 17681-1, 2 (textile and textile products) ISO 23702-1 (leather) Test equipment: LC-MS LOQ: 0.1 µg/m2   |                              | X    |  |  |
| Various                   | Highly fluorinated ethers and related substances, including HFPO-DA and its salts. See next page for substances.   | Usage Ban             | EN 17681-1, 2 (textile and textile products) Test equipment: LC-MS LOQ: -                                 |                              | X    |  |  |

#### Cont. Perfluorinated and Polyfluorinated Chemicals (PFCs) regulation & country

PROPERTY LENDING CHEMICALS

PFOS - Legal limit: Shall not occur PFOS and its derivatives are listed in the Stockholm Convention on Persistent Organic Pollutants (POPs) and banned in EU by the POPs Regulation (EU) No 2019/1021. Residues below the following limits are allowed to be placed on the market and used, as these are the amounts that may be present as impurity6: 1 μg/m2 applies to coated textiles and leather products. 0.1% by weight applies to articles or part of articles. Perfluorobutane sulfonic acid (PFBS) and its salts (e.g. 29420-49-3 and 220689-12-3), Perfluorohexane-1-sulphonic acid and its salts (PFHxS), are listed on the Candidate List of Substances of Very High Concern for authorization of the Regulation (EC) No 1907/2006 (REACH). Declaration duty in Sweden from 1 January 2019 to the Swedish Chemicals Agency for PFAS in chemical products that are deliberately added. Composition needs not to be specified but the information duty applies without any concentration limit. Prop 65: PFOS is known to the State of California to cause birth defects or other reproductive harm. Perfluorooctane Sulfonic Acid (PFOS) and Its Salts and Transformation and Degradation Precursors are known to the State of California to cause cancer. Safe Harbor Limit: None. No information on settlements.

PFOA - Legal limit: Shall not occur. PFOA, its salts and related compounds are listed in the Stockholm Convention on Persistent Organic Pollutants (POPs) and banned in EU by the POPs Regulation (EU) No 2019/1021. Residues below 0.025 mg/kg of each substance, and 1 mg/kg of a combination of PFOA-related substances in substances, mixtures, and articles are allowed to be placed on the market and used, as these are amounts that may be present as impurities. From 4 July 2023 the restriction applies to textiles for the protection of workers from dangerous liquids. C9-C14 linear and/or branched perfluorocarboxylic acids (C9- C14 PFCAs), their salts and C9-C14 PFCAs-related substances, are restricted in articles (25 ppb) annex XVII Regulation (EC) No 1907/2006 (REACH), entry 68. Perfluoroheptanoic acid and its salts as well as other PFCAs including their salts (sodium and ammonium) and precursors are also listed in the Candidate List of Substances of Very High Concern for authorization of Regulation (EC) No 1907/2006 (REACH). Examples of PFCAs are listed as: Ammonium perfluoroheptanoate, 6130-43-4, Potassium perfluoroheptanoate, 21049-36-5, Perfluoroheptanoic acid, 375-85-9, Sodium perfluoroheptanoate, 20109-59-5, (C8) Pentadecafluorooctanoic acid (PFOA) and its ammonium salt (APFO), 335-67-1,3825-26-1, (C9) Perfluorononan-1-oic-acid (PFNA) and its sodium and ammonium salts, 375-95-1, 21049-39-8, 4149-60-4, (C10) Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts, 335-76-2, 3108-42-7, 3830-45-3, (C11) Henicosafluoroundecanoic acid (PFTA), 376-06-7, 376-06-7, 376-06-7, 376-06-7, 376-06-7, 378-8,8-tridecafluorooctyl) silanetriol is restricted in spray products (2 ppb) annex XVII Regulation (EC) No 1907/2006 (REACH), entry 73. Declaration duty in Sweden to the Swedish Chemicals Agency for PFAS in chemical products that are deliberately added. Composition needs not to be specified but the information duty applies without any concentration limit. In California: PFOA and perfluorononanoic acid (PFNA) and it

PROPERTY LENDING CHEMICALS

HFPO-DA, its salts and its acyl halides (CAS 13252-13-6, 67118-55-2, 2062-98-8 and 62037-80-3) are listed in the Candidate List of Substances of Very High Concern for authorization of Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH).

Declaration duty in Sweden from 1 January 2019 to the Swedish Chemicals Agency for PFAS in chemical products that are deliberately added. Composition needs not to be specified but the information duty applies without any concentration limit.

Prop 65: Highly fluorinated ethers are not listed under Proposition 65

Polycyclic Aromatic Hydrocarbons (PAH's)

- \*POPs are the Stockholm Convention on Persistent Organic Pollutants
- \*\*Regulation (EC) No 850/2004 (EU regulation implementing Stockholm Convention).
- \*\*\*The restriction applies to both solid and liquid products, including textiles.

#### Test method & Restricted Substance Tiger of Sweden Limit **Regulation & Country SVHC** Reporting limit **PAH** – Impurities ISO 2146 (NMR) CAS No. Substance (BaP) Benzo[a]pyrene\* AfPS GS 2014-01 PAK 50-32-8 $\mathbf{X}$ Sum of all PAH's: BaP, BeP, BaA, CHR, BbFA, BiFA, BkFA, ISO/TS 16190 (footwear) (BeP) Benzo[e]pyrene\* 192-97-2 1 mg/kg DBAhA, in REACH, Annex XVII, entry 50, X 56-55-3 (BaA) Benzo[a]anthracene\* regulated for car tires and consumer products Reporting limit: 0.2 mg/kg X 218-01-9 (CHR) Chrysene\* such as clothing, footwear, gloves, sportswear, Toys & childcare articles: 0,5 (BbFA)Benzo[b]fluoranthene\* 205-99-2 head-bands, watch- straps and wrist-bands\* mg/kg of any of the listed 205-82-3 (BjFA)Benzo[j]fluoranthene\* PAHs (BkFA)Benzo[k]fluoranthene\* 207-08-9 53-70-3 (DBAhA)Dibenzo[a,h]anthracene\* 83-32-9 Acenaphthene Direct & Prolonged Skin 208-96-8 Acenaphthylene contact\*\* 120-12-7 $\mathbf{X}$ Anthracene Sum of all PAH's: 191-24-2 X Benzo[ghi]perylene $10 \, \text{mg/kg}$ 206-44-0 Fluoranthene BaP: < 1 mg/kg86-73-7 Fluorene Indeno[1,2,3-cd]pyrene No Direct Skin contact\*\*\* 193-39-5 Naphthalene\*\*\*\* Sum of all PAH's: 91-20-3 $200 \, \text{mg/kg}$ 85-01-8 Phenanthrene BaP < 20 mg/ kg

proposed

Pvrene

129-00-0

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- \* A restriction of 1 mg/kg per PAH for consumer products came into force the 27<sup>th</sup> of December 2013 with a 2-year phase out > Now in force. From 2020 these will have a restriction limit of 1 mg/kg for textiles according to REACH, Annex XVII, entry 72
- \*\*This restriction should apply to those parts of articles that come into direct and prolonged contact with the skin or the oral cavity under normal conditions of use.
- \*\*\* This restriction should apply to articles or parts which are only in short or infrequent contact with the skin or oral cavity under normal conditions of use.
- \*\*\*\* Naphthalene alone should not be considered as PAH but as a VOC with the limit of 200 mg/kg

| Polycyclic Aromatic Hydrocarbons (PAH's) - continued  PROPERTY LENDING CHEMICALS |                                   |                       |                               |                      |      |  |
|--|-----------------------------------|-----------------------|-------------------------------|----------------------|------|--|
| Restricted Su  | bstance                           | Tiger of Sweden Limit | Test method & Reporting limit | Regulation & Country | SVHC |  |
| PAH – Oil N  | Mixtures                          |                       |                               | ·                    |      |  |
| CAS No.  | Substance                         |                       |                               |                      |      |  |
| 90640-80-5   | Anthracene oil                    |                       |                               |                      | X    |  |
| 91995-17-4   | Anthracene oil, anthracene paste, |                       | Solvent extraction / GC-MS or |                      | v    |  |
|  | distn. Lights                     | Sum of all PAH's:     | HPLC-DAD                      |                      | Λ    |  |
| 91995-15-2   | Anthracene oil, anthracene paste, | 50 mg/kg              |                               |                      | v    |  |
|  | anthracene fractions              |                       | Reporting limit: 0.1 mg/kg    |                      | 21   |  |
| 90640-82-7   | Anthracene oil, anthracene-low    |                       |                               |                      | X    |  |
| 90640-81-6   | Anthracene oil, anthracene paste  |                       |                               |                      | X    |  |

| Phthalates   |  | PROPERTY LENDING CHEMICA   |   |   |             |
|--|--|--|---|---|-------------|
| Restricted Sub   | ostance  | Tiger of Sweden Limit  | Test method & Reporting limit   | Regulation & Country  | SVHC        |
| CAS No.<br>85-68-7<br>84-74-2<br>117-81-7<br>84-66-2<br>68515-42-4 | Substance (BBP) Butyl benzyl phthalate (DBP) Dibutyl phthalate (DEHP) Di(ethylhexyl) phthalate (DEP) Diethyl phthalate (DHNUP) 1,2-Benzenedicarboxylic acid, di- C7-11-branched and linear alkyl | Should not be present in products  The sum of esters of ortho-phthalic acid must not exceed: 0.1 % by weight | EN/ISO 14389 (textile) ISO 16181 -1, -2 (footwear) GC-MS, LC-MS USA: CPSC-HC-C1001-09.3 | EU: 0.1% by weight of the plasticized material in toys and childcare articles which can be placed in the mouth.  BBP, DBP, DEHP, DINP, DIDP and DNOP are listed in REACH, Annex XVII, | X<br>X<br>X |
| 84-69-5<br>26761-40-0<br>68515-49-1                                | esters (DIBP) Di-iso-butyl phthalate (DIDP) Di-isodecyl phthalate  | -  | Reporting limit:  | entry 51 & 52.  BBP, DBP, DEHP and DIBP are listed in REACH, Annex XIV.   | X           |

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| Various                  | All other esters of ortho-<br>phthalic acid                                   |                                   |                             |  |   |
|--------------------------|---|-----------------------------------|-----------------------------|--|---|
| 71850-09-4               | Diisohexyl phthalate  |                                   |                             |  |   |
| 68648-93-1               | 1,2-Benzenedicarboxylic acid,<br>mixed decyl and hexyl and                    |                                   |                             |  |   |
| 68515-51-5               | 1,2-Benzenedicarboxylic acid,<br>di-C6-10-alkyl ester with ≥                  |                                   |                             |  |   |
| 68515-50-4               | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and                     |                                   |                             |  |   |
| 776297-69-9              | (iPnPP) N-pentyl-isopentyl-<br>phthalate                                      |                                   |                             |  | X |
| 84777-06-0               | N-pentyl-isopentylphthalate   | 0.1 % by weight                   |                             |  | X |
| 131-18-0                 | (DPP) Di-n-pentyl phthalate *   | must not exceed:                  |                             |  | X |
| 117-84-0                 | (DNOP) Di-n-octyl phthalate   | ortho-phthalic acid               |                             |  |   |
| 84-75-3                  | (DnHP) Di-n-hexyl phthalate *   | The sum of esters of              |                             |  | X |
| 131-11-3                 | (DMP) Dimethyl phthalate  | products                          |                             |  |   |
| 117-82-8                 | (DMEP) Di-(2-methoxyethyl) phthalate *  | Should not be present in products |                             | plasticized material in all articles for DEHP, DBP, BBP and DIBP.        | X |
| 605-50-5                 | (DIPP) Di-isopentyl phthalate *   |                                   |                             | From 7 July 2020, 0.1% by weight of the                                  | X |
| 28553-12-0<br>68515-48-0 | (DINP) Di-isononyl phthalate  | _                                 |                             | children age 0-3 years are restricted (0,05%) in<br>Denmark (BEK nr 855) |   |
| 71888-89-6               | (DIHP) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich * |                                   | 50 mg/kg for each phthalate | Also see footnote *  All phthalates in toys and childcare articles for   | X |

<sup>\*</sup> From 2020 these Phthalates (DPP, DnHP, DMEP, DIPP, DIHP) will have a restriction of 1000 mg/kg according to REACH Annex XVII, entry 72

| PVC             |                    |   |  |                      |  |
|-----------------|--------------------|---|--|----------------------|--|
| Restricted Subs | tance              | Tiger of Sweden Limit                   | Test method & Reporting limit                                    | Regulation & Country |  |
| CAS No.         | Substance          | Usage Ban<br>Negative < detection limit | Beilstein test for screening. If positive, confirmation by FTIR. |                      |  |
| 9002-86-2       | Polyvinyl chloride |   |  |                      |  |

| Chlorinated                  | d Organic Carriers (COC)  |  |                               | PROCESS CHEMICALS   |
|------------------------------|---|--|-------------------------------|---|
| Restricted St                | ıbstance  | Tiger of Sweden Limit                              | Test method & Reporting limit | Regulation & Country  |
| Chlorinated                  | l Benzenes  |  |                               |   |
| CAS No.                      | Substance   |  |                               |   |
| 108-90-7                     | Monochlorobenzene   |  |                               | Cas No. 106-46-7 1,4-dichlorbenzen is in REACH, Annex                                       |
| Various                      | Dichlorobenzenes, all isomers   |  | DIN 54232                     | XVII, entry 64  |
| Various                      | Trichlorobenzenes, all isomers  | Usage Ban Trace:                                   | Solvent Extraction / GC-MS    |   |
| Various                      | Tetrachlorobenzenes, all  | 1 mg/kg  |                               | Pentachlorobenzene, Hexachlorobenzene are listed in   |
|                              | isomers   |  | Reporting limit: 0.1 mg/kg    | POPs* and banned by Regulation (EC) No 850/2004**.  |
| 608-93-5                     | Pentachlorobenzene  |  |                               |   |
| 118-74-1                     | Hexachlorobenzene   |  |                               |   |
| Chlorinated                  | l Toluenes  |  |                               |   |
| CAS No.                      | Substance   |  |                               |   |
| Various                      | Monochlorotoluenes  |  | DIN 54232                     | From 2020, $\alpha$ , $\alpha$ , $\alpha$ ,4-tetrachlorotoluene                             |
| Various                      | Dichlorotoluenes  | Usage Ban  | Solvent Extraction / GC-MS    | (Cas 5216-25-1), $\alpha$ , $\alpha$ , $\alpha$ -trichlorotoluene (Cas 98-07-7), $\alpha$ - |
| Various                      | Trichlorotoluenes   | Trace: 1 mg/kg                                     |                               | chlorotoluene (Cas 100-44-7) will have a restriction limit of                               |
| Various                      | Tetrachlorotoluenes   |  | Reporting limit: 0.1 mg/kg    | 1 mg/kg in textiles according to REACH, Annex XVII,   |
| 877-11-2                     | Pentachlorotoluene  |  |                               | entry 72  |
| *POPs is the **Regulation (I | Stockholm Convention on Persistent Org<br>EC) No 850/2004 (EU regulation implem | ganic Pollutants<br>nenting Stockholm Convention). |                               |   |

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| Siloxanes     | PROPERTY LENDING Siloxanes CHEMICALS |                       |  |                      |          |  |  |
|---------------|--------------------------------------|-----------------------|--|----------------------|----------|--|--|
| Restricted St | ubstance                             | Tiger of Sweden Limit | Test method & Reporting                  | Regulation & Country | SVHC     |  |  |
| CAS No.       | Substance                            |                       |  |                      | v        |  |  |
| 556-67-2      | Octamethylcyclotetrasiloxane (D4)    | 1000                  |  |                      | <b>A</b> |  |  |
| 541-02-6      | Decamethylcyclopentasiloxane (D5)    | 1000                  | Test equipment: GC-MS.<br>LOQ: 100 mg/kg |                      | X        |  |  |
| 540-97-6      | Dodecamethylcyclohexasiloxane (D6)   | 1000                  |  |                      | X        |  |  |

| Tin organic compounds (Organostannic compounds) |   |                           |   | CATALYST, STABILIZERS AND BIOCIDAL AGENTS   |  |
|---|---|---------------------------|---|---|--|
| Restricted Su                                   | ıbstance  | Tiger of Sweden Limit     | Test method & Detection limit   | Regulation & Country  |  |
| CAS No. Various Various Various                 | Substance Dibutyltin and related compounds Tributyltin and related compounds Dioctyltin and related compounds | 0,2 mg /kg per substance* | EN ISO 22744-1, -2 (textiles) ISO/TS 16179 Ethanol extraction, derivatization and analysis by GC-MS or LC-MS. Reporting limit: 0.02 mg/kg | Legal Limit: 0.1% by weight Dioctyltin (DOT), dibutyltin (DBT) compounds and trisubstituted organostannic compounds such as tributyltin (TBT) shall not be used in articles. Annex XVII of the Regulation (EC) No 1907/2006 (REACH), entry 20.  Tributyltin oxide (TBTO), 56-35-9, Dibutyltin dichloride (DBTC), 683-18-1, 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-distannatetradecanoate (DOTE), 15571-58-1 and reaction mass of DOTE and MOTE 2 Dibutylbis(pentane-2,4-dionato-O,O')tin, 22673-19-4 and Dioctyltin dilaurate and related substances3, e.g. 3648-18-8 are listed on the Candidate List of Substances of Very High Concern for authorization of the Regulation (EC) No 1907/2006 (REACH). |  |

| Volatile Organic Compounds (VOC's)  PROCESS CHEMICALS |  |                               |                                  |   |      |  |
|---|--|-------------------------------|----------------------------------|---|------|--|
| Restricted Su   | bstance                                    | Tiger of Sweden Limit (mg/kg) | Test method &<br>Reporting limit | Regulation & Country  | SVHC |  |
| Non-Chlorin   | ated Aromatic Hydrocarbons                 |                               |                                  |   |      |  |
| CAS No.   | Substance                                  |                               | Validated method, extraction or  |   |      |  |
| 91-20-3   | Naphthalene                                | 200                           | headspace GC/MS identification   |   |      |  |
| Non-haloger   | nated Aliphatic Solvents                   |                               |                                  |   |      |  |
| CAS No.   | Substance                                  |                               |                                  |   |      |  |
| 75-15-0   | Carbon disulphide                          | 500                           |                                  |   |      |  |
| 110-80-5  | 2-Ethoxyethanol                            | 80                            |                                  |   | X    |  |
| 111-15-9  | 2-Ethoxyethanol acetate                    | 80                            | Validated method, extraction or  |   | X    |  |
| 109-86-4  | 2-Methoxyethanol                           | 80                            | headspace GC/MS identification.  |   | X    |  |
| 110-49-6  | 2-Methoxyethanolacetate                    | 300                           | 7.10                             |   | X    |  |
| 1589-47-5   | 2-Methoxypropanol                          | 1000                          | DMFa:                            |   |      |  |
| 70657-70-4  | 2-Methoxypropanol acetate                  | 1000                          | EN 17131 (textile)               |   |      |  |
| 122-99-6  | 2-Phenoxyethanol                           | 400                           | EN 16178 (footwear and           |   |      |  |
| 111-76-2  | 2-Butoxyethanol                            | 1000                          | footwear components)             |   |      |  |
| 75-12-7   | Formamide                                  | 500                           |                                  |   | X    |  |
|   | Follow on the page                         |                               |                                  |   |      |  |
| 127-19-5  | (N,N-DMAC) N,N-<br>dimethylacetamide       |                               |                                  | DMFa have a restriction limit of 3000 mg/kg is clothing, related accessories, textiles other that |      |  |
| 68-12-2   | (N,N-DMF) N,N-<br>Dimethylformamide (DMFa) | 10                            |                                  | clothing in skin contact, or footwear (CMR fast track) according to Annex XVII o                  | ıf X |  |
| 872-50-4  | (NMP) N-Methylpyrrolidone                  |                               |                                  | Regulation (EC)<br>No 1907/2006 (REACH), entry 72.  | X    |  |
| Non-haloger   | nated Aromatic Solvents                    |                               |                                  |   |      |  |
| CAS No.   | Substance                                  |                               |                                  |   |      |  |
|   |  |                               |                                  |   |      |  |

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| 71-43-2  | Benzene      | Usage Ban<br>Trace: 5 | Validated method, extraction or headspace GC/MS identification. | In REACH Annex XVII, entry 5 From 2020, Benzene (CAS-RN 71-43-2) will have a restriction limit of 5 mg/kg in textiles (CMR fast track) according to REACH, Annex XVII, entry 72 |  |
|----------|--------------|-----------------------|---|---|--|
| 100-41-4 | Ethylbenzene | 100                   | ]   |   |  |
| 108-88-3 | Toluene      | 1000                  |   | In REACH Annex XVII, entry 48   |  |

| Volatile Organic Compounds (VOC's) – continuing  PROCESS CHEMICALS |  |                               |   |                      |      |  |
|--|--|-------------------------------|---|----------------------|------|--|
| Restricted Substance   |  | Tiger of Sweden Limit (mg/kg) | Test method & Reporting limit                   | Regulation & Country | SVHC |  |
| Halogenate   | ed Aliphatic Solvents                        |                               |   |                      |      |  |
| CAS No.  | Substance                                    |                               |   |                      |      |  |
| 127-18-4   | (PERC) Tetrachloroethylene                   | 50                            |   |                      |      |  |
| 79-01-6  | (TCE) Trichloroethylene                      | 50                            |   |                      | X    |  |
| 96-18-4  | 1,2,3-trichloropropane                       | 50                            |   |                      | X    |  |
| 76-01-7  | Pentachloroethane                            | 100                           |   |                      |      |  |
| 56-23-5  | (Carbon Tetrachloride)<br>Tetrachloromethane | 10                            | Validated method, extraction or headspace GC/MS |                      |      |  |
| 630-20-6   | 1,1,1,2-Tetrachloroethane                    | 10                            | identification.                                 |                      |      |  |
| 79-34-5  | 1,1,2,2-Tetrachloroethane                    | 100                           | Rentineauon.                                    |                      |      |  |
| 67-66-3  | (Chloroform) Trichloromethane                | 100                           |   |                      |      |  |
| 79-00-5  | 1,1,2-Trichloroethane                        | 100                           | ı   |                      |      |  |
| 75-35-4  | 1,1-Dichloroethylene                         | 100                           |   |                      |      |  |
| 71-55-6  | 1,1,1-Trichloroethane                        | 100                           |   |                      |      |  |
| 75-09-2  | Methylene chloride                           | 100                           |   |                      |      |  |

| Quinoline PROCESS CHEMICA |                        |                               |   |   |      |
|---------------------------|------------------------|-------------------------------|---|---|------|
| Restricted Subs           | tance                  | Tiger of Sweden Limit (mg/kg) | Test method & Reporting limit                                   | Regulation & Country  | SVHC |
| CAS No.<br>91-22-5        | Substance<br>Quinoline | 50                            | Validated method, extraction or headspace GC/MS identification. | From 2020, Quinoline will have a restriction limit of 50 mg/kg in textiles according to REACH, Annex XVII, entry 72 |      |

| UV STABILI     | SERS   |                               | PROPERTY LENDING CH                                 |  |      |
|----------------|--|-------------------------------|---|--|------|
| Restricted Sub | stance   | Tiger of Sweden Limit (mg/kg) | Test method & Reporting limit                       | Regulation & Country   | SVHC |
| CAS No.        | Substance  |                               |   | UV-320, UV-327, UV-328, UV-350, 3-BC and                                     |      |
| 3846-71-7      | 2-benzotriazol-2-yl-4,6-di-tert-<br>butylphenol (UV-320)   |                               | ISO 24040:2022 (benzotriazoles)                     | DBMC are at the<br>Candidate List of Substances of Very High                 | X    |
| 3864-99-1      | 2,4-di-tert-butyl-6-(5-<br>chlorobenzotriazol-2-yl)phenol (UV-<br>327)                                   | ≤ 1000mg/kg                   | GC_MS, LC_MS, GC-ECD LOQ: 50 mg/kg (benzotriazoles) | Concern for authorization<br>of the Regulation (EC) No 1907/2006<br>(REACH). | X    |
| 25973-55-1     | 2-(2H-benzotriazol-2-yl)-4,6-<br>ditertpentylphenol (UV-328)   |                               | LOQ: 100 mg/kg (3-BC and DBMC)                      |  | X    |
| 36437-37-3     | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)                                     |                               | ,   |  | X    |
| 15087-24-8     | 3-benzylidene camphor (1,7,7-<br>trimethyl-3-<br>(phenylmethylene)bicyclo[2.2.1]<br>heptan-2-one)( 3-BC) |                               |   |  | X    |
| 119-47-1       | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC);   |                               |   |  | X    |

### 1.4.8 MISCELLANEOUS

| рН              | pH MISCELLANEOUS                             |   |   |                      |  |
|-----------------|--|---|---|----------------------|--|
| Restricted Sub  | stance                                       | Tiger of Sweden Limit                     | Test method & Reporting limit   | Regulation & Country |  |
| CAS No.         | Substance pH*                                | Textiles: 4.0 – 8.5<br>Leather: 3.5 – 6.0 | Textiles: ISO 3071<br>Leather: ISO 4045<br>pH meter accuracy:<br>0.2 pH units |                      |  |
| *A pH higher th | nan 10 or lower than 3 can cause skin irrita | ation. The pH value can easily be corr    | ected by washing the article.   |                      |  |

### 1.4.9 BIOCIDAL AGENTS

| Trisubstitute   | d tin organic compounds  |                         |   | BIOCIDAL AGENTS   |
|---|--|-------------------------|---|---|
| Restricted Sul  | bstance  | Tiger of Sweden Limit   | Test method & Detection limit   | Regulation & Country  |
| CAS No. 1461-22-9 1983-10-4 2155-70-6 4342-36-3 24124-25-2 85409-17-2 | Substance Tributyltin chloride Tributyltin fluoride: Tributyltin methacrylate Tributyltin benzoate Tributyltin linoleate Tributyltin naphthenate | 2 mg /kg per substance* | EN ISO 22744-1, -2 (textiles) ISO/TS 16179 Ethanol extraction, derivatization and analysis by GC-MS or LC-MS. Reporting limit: 0.02 mg/kg | All tri-substituted organostannic compounds such as tributyltin (TBT) are restricted in articles in annex XVII of the Regulation (EC) No 1907/2006 (REACH), entry 20.  The six TBT compounds listed to the left are also included in the Rotterdam convention.  Tributyltin oxide (TBTO) 56-35-9 and Dibutyltin dichloride (DBTC), 683-18-1 are listed on the Candidate List of Substances of Very High Concern for authorization of the Regulation (EC) No |
| 03,03,17,2  | Tibatyan impitatemate  |                         |   | 1907/2006 of the European Parliament and of the Council (REACH).  |

\*Including but not limited to: (DBT) Dibutyltin, (TBT)\*\* Tributyltin, (TBTO) Tributyltin oxide, (DMT) Dimethyltin, (TMT) Trimethyltin, (TPhT)\*\* Triphenyltin, (DOT) Dioctyltin.

\*\* Oeko-Tex & Japan have a limit of 1ppm for TBT & TPhT

| Restricted Sul | ostance                       | Tiger of Sweden Limit                | Test method & Detection limit                       | Regulation & Country   |
|----------------|-------------------------------|--------------------------------------|---|--|
| CAS No.        | Substance                     |                                      |   |  |
| 87-86-5        | (PCP) Pentachlorophenol, its  |                                      |   |  |
|                | salts and compounds           |                                      |   | PCP is listed in Annex XVII, entry 22, REACH.                                  |
| 25167-83-3     | (TeCP) Tetrachlorophenol, its | Usage Ban Trace:                     | Textile: § 64 LFGB 82.02.8                          |  |
|                | salts and compounds 2,3,4,5   | 0.5 mg/kg                            | GC/MS Identification                                | PCP is banned in Norway and Germany in textiles and                            |
| 4901-51-3      | TetraCP                       |                                      | Reporting limit: 0.1 mg/kg                          | leather. Legal limit: 5 mg/kg  |
| 58-90-2        | 2,3,4,6 TetraCP               |                                      |   | DCD: 1' - 1' - 1 D 1   |
| 935-95-5       | 2,3,5,6 TetraCP               |                                      | Leather: ISO 17070                                  | PCP is listed in the Rotterdam convention.                                     |
|                | (TriCP) Trichlorophenols      |                                      | Reporting limit: 0.1mg/kg                           |  |
| 88-06-2        | 2,4,6 TriCP                   | Adult:                               | XV/ 1   |  |
| 933-75-5       | 2,3,6 TriCP                   | Sum 2,0 mg/kg                        | Wood:   |  |
| 933-78-8       | 2,3,5 TriCP                   |                                      | CEN/TR 14823  |  |
| 95-95-4        | 2,4,5 TriCP                   |                                      |   |  |
| 15950-66-0     | 2,3,4 TriCP                   |                                      |   |  |
| 609-19-8       | 3,4,5 TriCP                   |                                      |   |  |
| 90-43-7        | (OPP) o-Phenylphenol          | Textile/Synthetic leather: 100 mg/kg | Solvent extraction / GC-MS, LC-MS for confirmation. | Biocide directive 98/8/EC: Under revision for PTS (textile, leather & polymer) |
|                |                               | Leather: 750 mg/kg                   | Leather: ISO 13365                                  |  |

| Other Biocid           | Other Biocides  BIOCIDAL AGENTS  |                                  |  |   |
|------------------------|--|----------------------------------|--|---|
| Restricted Sub         | stance   | Tiger of Sweden Limit            | Test method & Reporting limit  | Regulation & Country  |
| Dimethyl Fur           | marate (DMFU)  |                                  |  |   |
| CAS No. 624-49-7       | Substance Dimethyl Fumarate (DMFu)   | Usage Ban                        | CEN ISO/TS 16186  Reporting limit: 0.1 mg/kg   | Legal limit: 0.1 mg/kg In REACH, Annex XVII, entry 61.  |
| Permethrin             |  |                                  | Reporting limit. 0.1 mg/ kg  | in teatori, rimes it in one of  |
| CAS No. 52645-53-1     | Substance Permethrin   | Not Detected<br>Trace: 0.1 mg/kg | No standardised test method<br>available for textile. EN ISO<br>22517 (pesticide residues in<br>leather) Test equipment: GC-MS,<br>LC-MS. LOQ: 5 mg/kg | On the list of temporarily permitted existing biocides within PT9 (product type 9) that includes textiles, polymers and leather, according to the Biocidal Products Directive (98/8/EC).                    |
| Sensitizing Iso        | othiazolinones   |                                  |  |   |
| CAS No.<br>26172-55-4  | Substance 5-Chloro-2-Methyl-4- Isothiazolin- 3-One 2-Methyl-4-Isothiazolin-3-one | 50 mg/kg                         | Solvent extraction / GC-MS, LC-MS for confirmation.  |   |
| 26530-20-1             | 2-n-Octyl-4-isothiazolin-3-one (OIT)   | 250 mg/kg                        | Leather: ISO 13365   |   |
| Silver comple          | exes in Nano size (Ag +)   |                                  |  |   |
| CAS No.<br>Not Defined | Substance (Ag +) Silver and It's compounds in Nano size                          | Usage Ban                        | ICP-MS, ICP-OES or AAS.  Reporting limit: Total silver: 0.1 mg/kg.   | Metallic silver is on the list of temporarily permitted existing biocides within PT9 (product type 9) that includes textiles, polymers and leather, according to the Biocidal Products Directive (98/8/EC). |
| Triclosan              |  |                                  |  |   |
| CAS No.<br>3380-34-5   | Substance<br>Triclosan   | Usage Ban                        | EN 17134 (textile) GC-MS, LC-MS (other materials) Reporting limit: 1,0 mg/kg   | On the list of temporarily permitted existing biocides within PT9 (product type 9) that includes textiles, polymers and leather, according to the Biocidal Products Directive (98/8/EC).                    |
| 101-20-2               | Triclocarban   |                                  |  |   |

| Other Biocide                       | es - continued   |                       |                               | BIOCIDAL AGENTS   |
|-------------------------------------|--|-----------------------|-------------------------------|---|
| Restricted Subs                     | tance  | Tiger of Sweden Limit | Test method & Reporting limit | Regulation & Country  |
| Cu-HDO                              |  |                       |                               |   |
| CAS No.<br>312600-89-8              | Substance Cu-HDO (Bis-(N-cyclohexyldiazeniumdioxy)-copper) | Usage Ban             | ICP-AES                       | Cu-HDO is banned within PT9 (product type 9) that includes textiles, polymers and leather, according to the Biocidal Product Regulation (EU 528/2012) |
| Polyhexameth                        | ylene biguanide (PHMB)                                     |                       |                               |   |
| CAS No.<br>27083-27-8<br>32289-58-2 | Polyhexamethylene biguanide (PHMB)                         | Usage ban             | GC-MS, LC-MS.                 | PHMB is banned within PT9 (product type 9) that includes textiles, polymers and leather, according to the Biocidal Products regulation (EU 528/2012)  |

#### 1.4.10 RESTRICTIONS ON PACKAGING

| Restricted Sul   | bstance   | Tiger of Sweden Limit  | Test method & Reporting limit   | Regulation & Country  | SVHC |
|--|---|--|---|---|------|
| CAS No.<br>7440-43-9<br>7439-92-1<br>18540-29-9<br>7439-97-6 | Substance (Cd) Cadmium (Pb) Lead (Cr <sup>+6</sup> ) Chromium hexavalent (Hg) Mercury | Usage Ban for all 4 metals Trace  of Cd & Pb: 100 mg/kg Trace of  Cr <sup>+6</sup> : 3 mg/kg  Trace of Hg: 0.2 mg/kg  Total Trace of all 4 metals: 100 mg/kg | CEN/CR 13695-1  | Total sum of Cd, Pb, Cr <sup>+6</sup> and Hg shall not exceed 100 ppm by weight, Directive (EC) No 94/62/EC of 20 December 1994 on packaging and packaging waste. | X    |
| 7646-79-9  | Cobalt dichloride   | Should not be present in Silica bags**. Trace: 0.1%  | Test equipment:<br>AAS or ICP-OES   | In REACH Annex XVII, entry 28 & 30  | X    |
| 624-49-7   | (DMFu) Dimethylfumarate   | Usage Ban Trace: 0.1 mg/kg   | ISO/TS 16186 (footwear)<br>SS-EN 17130 (textile and textile<br>material)                    | In REACH Annex XVII, entry 61   |      |
| 9002-86-2  | PVC   | Usage Ban<br>Negative < detection limit  | Beilstein test for screening. If positive, confirmation by FTIR.                            |   |      |
| 119-47-1   | (DBMC) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol                                   | Usage ban  | No standardised test method<br>available. Test equipment LC<br>and GC-MS. LOQ: 100<br>mg/kg |   | X    |

<sup>\*</sup>Packaging means transportation packaging as well as product packaging, i.e., any material used for the function packaging purpose such as containment, protection, handling, delivery, and presentation of finished products. For metals, concentration is calculated at element level.

<sup>\*\*</sup>Commonly used for detection of moisture, for example in drying agents such as silica gel. When cobalt dichloride is added as an indicator, the drying agent is blue when still active and pink when exhausted.

#### Restrictions on Packaging continuing... Boric acid, borate compounds\* PROPERTY LENDING CHEMICALS Test method & SVHC Restricted Substance Tiger of Sweden Limit **Regulation & Country** Reporting limit CAS No. Substance 10043-35-3 Boric acid $\mathbf{X}$ 11113-50-1 1) AAS 1303-96-4 Disodium tetraborate anhydrous 2) ICP-MS and ICP-OES 1330-43-4 $\mathbf{X}$ Legal limit: 12179-04-3 Usage ban 1000 mg/kg or 0.1% by weight Reporting limit: 12267-73-1 Tetraboron disodium heptaoxide X 1) 1000 μg/kg as Boron hydrate 2) 100 μg/kg as Boron 234-390-0 Sodium perborate; perboric acid, X sodium salt Sodium peroxometaborate 7632-04-04 $\mathbf{X}$ 12008-41-2 Disodium octaborate, X 13840-56-7 Orthoboric acid, sodium salt, e.g. X 13701-59-2 Barium diboron tetraoxide, X \*Commonly found in Wood material in packaging.

#### 1.4.11 SUBSTANCES WHICH ARE NOT COMMONLY FOUND IN TIGER OF SWEDEN PRODUCTS

| Asbestos       | Asbestos      |                               |   |  |  |
|----------------|---------------|-------------------------------|---|--|--|
| Restricted Sub | ostance       | Tiger of Sweden Limit         | Regulation & Country                              |  |  |
| CAS No.        | Substance     |                               | Listed in Annex XVII, entry 6                     |  |  |
| 77536-66-4     | Actinolite    |                               | ·   |  |  |
| 12172-73-5     | Amosite       | II D                          | Switzerland: ORRChem annex 1.6 (art. 3)           |  |  |
| 77536-67-5     | Anthophyllite | Usage Ban Limit: Not Detected | USA: 16 CFR 1500.17 entry 7                       |  |  |
| 12001-29-5     | Chrysotile    | Limit: Not Detected           |   |  |  |
| 12001-28-4     | Crocidolite   |                               | Unlikely in everyday wear except for firefighting |  |  |
| 77536-68-6     | Tremolite     |                               | Personal Protection equipment (PPE)               |  |  |

| Dioxins & F   | Dioxins & Furans                           |                        |  |  |
|---------------|--|------------------------|--|--|
| Restricted Su | bstance                                    | Tiger of Sweden Limit  |  |  |
| Group 1:      |  |                        |  |  |
| CAS No.       | Substance                                  |                        |  |  |
| 1746-01-6     | 2,3,7,8-Tetrachlorodibenzo-p-dioxin        | Unavoidable traces:    |  |  |
| 40321-76-4    | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin      | Sum of Group 1:        |  |  |
| 51207-31-9    | 2,3,7,8-Tetrachlorodibenzofuran            | 1 μg/kg                |  |  |
| 57117-31-4    | 2,3,4,7,8-Pentachlorodibenzofuran          |                        |  |  |
| Group 2:      | Group 2:                                   |                        |  |  |
| 39227-28-6    | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin     |                        |  |  |
| 19408-74-3    | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin     |                        |  |  |
| 57653-85-7    | 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin     | Unavoidable traces:    |  |  |
| 57117-41-6    | 1,2,3,7,8-Pentachlorodibenzofuran          | Sum of Group 1 & 2:    |  |  |
| 70648-26-9    | 1,2,3,4,7,8Hexachlorodibenzofuran          | 5 μg/kg                |  |  |
| 72918-21-9    | 1,2,3,7,8,9-Hexachlorodibenzofuran         | σ μg/ κg               |  |  |
| 57117-44-9    | 1,2,3,6,7,8-Hexachlorodibenzofuran         |                        |  |  |
| 60851-34-5    | 2,3,4,6,7,8-Hexachlorodibenzofuran         |                        |  |  |
| Group 3:      | Group 3:                                   |                        |  |  |
| 35822-46-9    | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  | Unavoidable traces:    |  |  |
| 3268-87-9     | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin | Sum of Group 1, 2 & 3: |  |  |
| 67562-39-4    | 1,2,3,4,6,7,8-Heptachlorodibenzofuran      | $100  \mu \text{g/kg}$ |  |  |

| 55673-89-7  | 1,2,3,4,7,8,9-Heptachlorodibenzofuran  |                                     |  |  |
|-------------|--|-------------------------------------|--|--|
| 39001-02-0  | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran |                                     |  |  |
| Group 4:    |  |                                     |  |  |
| 50585-41-6  | 2,3,7,8-Tetrabromodibenzo-p-dioxin     | II                                  |  |  |
| 109333-34-8 | 1,2,3,7,8-Pentabromodibenzo-p-dioxin   | Unavoidable traces: Sum of Group 4: |  |  |
| 67933-57-7  | 2,3,7,8-Tetrabromodibenzofuran         | 1 μg/kg                             |  |  |
| 131166-92-2 | 2,3,4,7,8-Pentabromdibenzofuran        | Ι μg/ κg                            |  |  |
| Group 5:    | Group 5:                               |                                     |  |  |
| 110999-44-5 | 1,2,3,4,7,8-Hexabromodibenzo-p-dioxin  | Unavoidable traces:                 |  |  |
| 110999-46-7 | 1,2,3,7,8,9-Hexabromodibenzo-p-dioxin  | Sum of Group 4 & 5:                 |  |  |
| 110999-45-6 | 1,2,3,6,7,8-Hexabromodibenzo-p-dioxin  | 5 μg/kg                             |  |  |
| 107555-93-1 | 1,2,3,7,8-Pentabromodibenzofuran       | 3 μg/ ng                            |  |  |

| Fluorinated Greenhouse Gases  |   |                       |
|---|---|-----------------------|
| Restricted Sub  | stance  | Tiger of Sweden Limit |
| CAS No.<br>2551-62-4  | Substance Sulphur hexafluoride - SF <sub>6</sub>  | Usage Ban             |
| 75-46-7 75-10-5 593-53-3 138495-42-8 354-33-6 359-35-3 811-97-2 75-37-6 420-46-2 470-46-6 431-89-0 431-63-0 690-39-1 679-86-7 | HFC-23 - CHF <sub>3</sub> HFC-32 - CH <sub>2</sub> F <sub>2</sub> HFC-41 - CH <sub>3</sub> F HFC-43-10mee - C <sub>5</sub> H <sub>2</sub> F <sub>10</sub> HFC-125 - C <sub>2</sub> HF <sub>5</sub> HFC-134 - C <sub>2</sub> H <sub>2</sub> F <sub>4</sub> HFC-134a - CH <sub>2</sub> FCF <sub>3</sub> HFC-152a - C <sub>2</sub> H <sub>4</sub> F <sub>2</sub> HFC-143 - C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> HFC-1473 - C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> HFC-1473 - C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> HFC-1473 - C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> HFC-276a - C <sub>3</sub> HF <sub>7</sub> HFC-236cb - CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub> HFC-236ca - CHF <sub>2</sub> CHFCF <sub>3</sub> HFC-236ca - C <sub>3</sub> H <sub>2</sub> F <sub>6</sub> HFC-245ca - C <sub>3</sub> H <sub>3</sub> F <sub>5</sub> | Usage Ban             |

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| 460-73-1      | HFC-245fa - CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>                 |           |  |  |  |
|---------------|--|-----------|--|--|--|
| 406-58-6      | HFC-365mfc - CF <sub>3</sub> CH <sub>2</sub> CF <sub>2</sub> CH <sub>3</sub> |           |  |  |  |
| Perfluorocarl | Perfluorocarbons (PFCs):   |           |  |  |  |
| 75-73-0       | Perfluoromethane - CF <sub>4</sub>   |           |  |  |  |
| 76-16-4       | Perfluoroethane - C <sub>2</sub> F <sub>6</sub>                              |           |  |  |  |
| 76-19-7       | Perfluoropropane - C <sub>3</sub> F <sub>8</sub>                             |           |  |  |  |
| 355-25-9      | Perfluorobutane - C <sub>4</sub> F <sub>10</sub>                             | Usage Ban |  |  |  |
| 67-8-26-2     | Perfluoropentane - C <sub>5</sub> F <sub>12</sub>                            |           |  |  |  |
| 355-42-0      | Perfluorohaxane - C <sub>6</sub> F <sub>14</sub>                             |           |  |  |  |
| 115-25-3      | Perfluorocyclobutane - c-C <sub>4</sub> F <sub>8</sub>                       |           |  |  |  |

| Ozone Depleting Substances - Class I and II |  |                       |  |  |
|---|--|-----------------------|--|--|
| Restricted St                               | ıbstance                               | Tiger of Sweden Limit |  |  |
| Ozone Dep                                   | leting Substances Class I              |                       |  |  |
| 75-69-4                                     | Trichlorofluoromethane CFC-11          |                       |  |  |
| 75-71-8                                     | Dichlorofluoromethane CFC-12           |                       |  |  |
| 354-58-5                                    | 1,1,1-trichlorotrifluoroethane CFC-113 |                       |  |  |
| 76-13-1                                     | 1,1,2-trifluoroethane CFC-113          |                       |  |  |
| 76-14-2                                     | Dichlorotetrafluoroethane CFC-114      |                       |  |  |
| 76-15-3                                     | Monochloropentafluoroethane CFC-15     |                       |  |  |
| 353-59-3                                    | Bromochlorodifluoroethane Halon-1211   |                       |  |  |
| 75-63-8                                     | Bromotrifluoromethane Halon-1301       |                       |  |  |
| 124-73-2                                    | Dibromotetrafluoroethane Halon-2402    | Usage Ban             |  |  |
| 75-72-9                                     | Chlorotrifluoromethane CFC-13          |                       |  |  |
| 354-56-3                                    | Pentachlorofluoroethane CFC-111        |                       |  |  |
| 76-12-0                                     | Tetrachlorodifluoroethane CFC-112      |                       |  |  |
| 422-78-6                                    | Heptachlorofluoropropane CFC-211       |                       |  |  |
| 3182-26-1                                   | Hexachlorodifluoropropane CFC-212      |                       |  |  |
| 2354 06 5                                   | Pentachlorotrifluoropropane CFC-213    |                       |  |  |
| 29255-31-0                                  | Tetrachlorotetrafluoropropane CFC-214  |                       |  |  |
| 1599-41-3                                   | Trichloropentafluoropropane CFC-215    |                       |  |  |

| 661-97-2 | Dichlorohexafluoropropane CFC-216         |  |
|----------|---|--|
| 422-86-6 | Monochloroheptafluoropropane CFC-217      |  |
| 56-23-5  | Carbon tetrachloride CC14                 |  |
| 71-55-6  | 1,1,1 trichloroethane (methyl Chloroform) |  |
|          | Halon-1211                                |  |
|          | Halon-1301                                |  |
|          | Halon-2402                                |  |

| Ozone Depleting Substances Class II   |           |  |  |
|---------------------------------------|-----------|--|--|
| Trichlorotetrafluoropropane HCFC-4    |           |  |  |
| Dichlorofluoromethane-HCFC-21         |           |  |  |
| Monochlorodifluoromethane HCFC-22     |           |  |  |
| Monochlorofluoromethane HCFC-31       |           |  |  |
| Tetrachlorofluoroethane HCFC-121      |           |  |  |
| Trichlorodifluoroethane-HCFC-122      |           |  |  |
| Dichlorotrifluoroethane HCFC-123      |           |  |  |
| Monochlorotetrafluoroethane HCFC-124  |           |  |  |
| Trichlorofluoroethane-HCFC-131        |           |  |  |
| Dichlorodifluoroethane HCFC-132B      |           |  |  |
| Monochlorotrifluoroethane HCFC-133A   |           |  |  |
| Dichlorofluoroethane HCFC -141B       | Usage Ban |  |  |
| Monochlorodifluoroethane HCFC-142B    |           |  |  |
| Hexachlorofluoropropane HCFC-221      |           |  |  |
| Pentachlorodifluoropropane HCFC-222   |           |  |  |
| Tetrachlorotrifluoropropane HCFC-223  |           |  |  |
| Tirchlorotetrafluoropropane HCFC-224  |           |  |  |
| Dichloropentafluoropropane HCFC-225CA |           |  |  |
| Dichloropentafluoropropane HCFC-225CB |           |  |  |
| Monochlorohexafluoropropane HCFC-226  |           |  |  |
| Pentachlorofluoropropane HCFC-231     |           |  |  |
| Tetrachlorodifluoropropane HCFC-232   |           |  |  |

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| Trichlorotrifluoropropane HCFC-233    |
|---------------------------------------|
| Dichlorotetrafluropropane HCFC-234    |
| Monchloropentafluoropropane HCFC-235  |
| Tetrachlorofluoropropane HCFC-241     |
| Trichlorodifluoropropane HCFC-242     |
| Dichlorotrifluoropropane HCFC-243     |
| Monochlorotetrafluoropropane HCFC-244 |
| Trichlorofluoropropane HCFC-251       |
| Dichlorofluoropropane HCFC-252        |

| Ozone Depleting Substances Class II - continued |           |  |  |
|---|-----------|--|--|
| Monochlorodifluoropropane HCFC-253              |           |  |  |
| Dichlorofluoropropane HCFC-261                  |           |  |  |
| Monochlorodifluoropropane HCFC-262              | Usage ban |  |  |
| Monochlorofluoropropane HCFC-271                |           |  |  |

| Pesticides             |  |                       |  |  |
|------------------------|--|-----------------------|--|--|
| Restricted Substance   |  | Tiger of Sweden Limit |  |  |
| CAS No.                | Substance  |                       |  |  |
| 93-76-5                | 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)                            | 7                     |  |  |
| 94-75-7                | 2,4-Dichlorophenoxyacetic acid (2,4-D)                                 |                       |  |  |
| 135410-20-7,           | Acetamiprid  |                       |  |  |
| 160430-64-8            |  |                       |  |  |
| 116-06-3               | Aldicarb   |                       |  |  |
| 86-50-0                | Azinophosmethyl  |                       |  |  |
| 2642-71-9              | Azinophosethyl   |                       |  |  |
| 309-00-2               | Aldrin   |                       |  |  |
| 4824-78-6              | Bromophos-ethyl  |                       |  |  |
| 191906                 | Captafol   |                       |  |  |
| 63-25-2                | Carbaryl   |                       |  |  |
| 57-74-9                | Chlordane  |                       |  |  |
| 6164-98-3              | Chlordimeform  |                       |  |  |
| 470-90-6               | Chlorfenvinphos  |                       |  |  |
| 210880-92-5            | Clothianidin   | — Usage Ban           |  |  |
| 56-72-4                | Coumaphos  | Trace: 0.5 mg/kg      |  |  |
| 68359-37-5             | Cyfluthrin   | 114001 010 1119/ 119  |  |  |
| 91465-08-6             | Cyhalothrin  |                       |  |  |
| 52315-07-8             | Cypermethrin   |                       |  |  |
| 78-48-8                | 1,2,4-Tributylphosphorotrithioate (DEF)                                |                       |  |  |
| 52918-63-5             | Deltamethrin   |                       |  |  |
| 53-19-0, 72-54-<br>8   | Mitotan, 1,1-Dichlor- 2-(2-chlorphenyl)- 2-(4-chlorphenyl)ethane (DDD) |                       |  |  |
| 3424-82-6, 72-<br>55-9 | 1-Chlor-4-[2,2-dichlor-1-(4-chlorphenyl)ethenyl]benzene (DDE)          |                       |  |  |
| 50-29-3, 789-          | 1,1,1-Trichlor-2,2-bis-(4-chlorophenyl)ethane (DDT)                    |                       |  |  |
| 02-6                   | ,,,,   |                       |  |  |
| 333-41-5               | Diazinon   |                       |  |  |
| 120-36-5               | Dichlorprop  |                       |  |  |
| 141-66-2               | Dicrotophos  |                       |  |  |
| 60-57-1                | Dieldrin   |                       |  |  |
| 60-51-5                | Dimethoat  |                       |  |  |
| 88-85-7 et al          | Dinoseb, Salze und Acetat  |                       |  |  |

| Pesticides - continued |   |                       |  |  |
|------------------------|---|-----------------------|--|--|
| Restricted Substance   |   | Tiger of Sweden Limit |  |  |
| CAS No.                | Substance                               |                       |  |  |
| 165252-70-0            | Dinotefuran                             |                       |  |  |
| 959-98-8               | Endosulfan, α-                          |                       |  |  |
| 33213-65-9             | Endosulfan, β-                          |                       |  |  |
| 72-20-8                | Endrin                                  |                       |  |  |
| 66230-04-4             | Esfenvalerat                            |                       |  |  |
| 51630-58-1             | Fenvalerat                              |                       |  |  |
| 76-44-8                | Heptachlor                              |                       |  |  |
| 1024-57-3              | Heptachlorepoxid                        |                       |  |  |
| 118-74-1               | Hexachlorbenzol                         |                       |  |  |
| 319-84-6               | Hexachlorcyclohexan, α-                 |                       |  |  |
| 319-85-7               | Hexachlorcyclohexan, β-                 |                       |  |  |
| 319-86-8               | Hexachlorcyclohexan, δ-                 |                       |  |  |
| 105827-78-9,           | Imidacloprid                            |                       |  |  |
| 138261-41-3            |   |                       |  |  |
| 465-73-6               | Isodrin                                 |                       |  |  |
| 4234-79-1              | Kelevan                                 | Usage Ban Trace:      |  |  |
| 143-50-0               | Kepon                                   | 0.5 mg/kg             |  |  |
| 58-89-9                | Lindan                                  |                       |  |  |
| 121-75-5               | Malathion                               |                       |  |  |
| 94-74-6                | 2-Methyl-4-chlorophenoxyacetic acid     |                       |  |  |
| 94-81-5                | (2-Methyl-4-chlorophenoxy) butyric acid |                       |  |  |
| 93-65-2                | Mecoprop                                |                       |  |  |
| 10265-92-6             | Metamidophos                            |                       |  |  |
| 72-43-5                | Methoxychlor                            |                       |  |  |
| 2385-85-5              | Mirex                                   |                       |  |  |
| 6923-22-4              | Monocrotophos                           |                       |  |  |
| 150824-47-8            | Nitenpyram                              |                       |  |  |
| 56-38-2                | Parathion                               |                       |  |  |
| 298-00-0               | Parathion-methyl                        |                       |  |  |
| 72-56-0                | Perthan                                 |                       |  |  |
| 7786-34-7              | Phosdrin/Mevinphos                      |                       |  |  |
| 31218-83-4             | Propethamphos                           |                       |  |  |
| 41198-08-7             | Profenophos                             |                       |  |  |

| Pesticides - continued |                        |                       |  |
|------------------------|------------------------|-----------------------|--|
| Restricted Su          | bstance                | Tiger of Sweden Limit |  |
| CAS No.                | Substance              |                       |  |
| 13593-03-8             | Quinalphos             |                       |  |
| 8001-50-1              | Stroban                | Usage Ban Trace:      |  |
| 297-78-9               | Telodrin               | 0.5 mg/kg             |  |
| 111988-49-9            | Thiacloprid            |                       |  |
| 153719-23-4            | Thiamethoxam           |                       |  |
| 8001-35-2              | Toxaphen (Camphechlor) |                       |  |
| 1582-09-8              | Trifluralin            |                       |  |

| Polyhalogen              | Polyhalogenated Aromatic Hydrocarbons                            |                       |  |  |  |
|--------------------------|--|-----------------------|--|--|--|
| Restricted Su            | bstance  | Tiger of Sweden Limit |  |  |  |
| 1336-36-3,<br>53469-21-9 | (PCB) Halogenated Biphenyls, including Polychlorinated Biphenyls |                       |  |  |  |
| Various                  | Halogenated Diarylalkanes  | Usage Ban             |  |  |  |
| Various                  | Halogenated Naphthalenes   |                       |  |  |  |
| No CAS #                 | (PCT)  |                       |  |  |  |
|                          | Halogenated Terphenols, including Polychlorinated terphenyl      |                       |  |  |  |
| 99688-47-8               | Halogenated diphenyl methanes, including:                        |                       |  |  |  |
| 81161-70-8               | Halogenated diphenyl methanes                                    | II D                  |  |  |  |
| 76253-60-6               | Monmethyl-dibtomom-diphenyl methane                              | Usage Ban             |  |  |  |
|                          | Monomethyl-tetrachloro-diphenyls methane                         |                       |  |  |  |

### 1.4.12 PROPOSITION 65: OTHER CHEMICALS LISTED WITH RELEVANCE TO THE MATERIALS REFERRED TO IN THIS GUIDANCE DOCUMENT

| Proposition        | Proposition 65  PROCESS CHEMICA                               |                       |  |                      |      |
|--------------------|---|-----------------------|--|----------------------|------|
| Restricted Su      | ıbstance  | Tiger of Sweden Limit | Test method & Reporting limit  | Regulation & Country | SVHC |
| CAS No.<br>62-53-3 | Substance<br>Aniline  | NSRL: 100 μg/day      | EN ISO 14362-1, -3 (textile) EN ISO 17234-1, -2 (leather) (methods specified in REACH Annex XVII, Appendix 10) LOQ: 20 mg/kg (per each of the arylamine breakdown products).               |                      | X    |
| 1694-09-3          | Benzyl violet 4B  | NSRL: 30 μg/day       | Test equipment LC-MS (possible referense to DIN 54231 Textile)   |                      | X    |
| 1333-86-4          | Carbon black (airborne, unbound particles of respirable size) | No Safe Harbor Limit  | A Pyrolisis Method might be more proper than testing PAH? Foudn a ASTM D297-21 method specified for rubber AfPS GS 2019-01 PAK? ISO/TS 16190 (footwear) EN 17132 (textile)? LOQ: 0.2 mg/kg |                      | X    |
| 114 6459-94-       | 5 C.I. Acid Red   | No Safe Harbor Limit  | EN ISO 14362-1, -3 (textile) EN ISO 17234-1, -2 (leather) (methods specified in REACH Annex XVII, Appendix 10) LOQ: 20 mg/kg (per each of the arylamine breakdown products).               |                      | X    |

| 2429-74-5  | C.I. Direct Blue 15                          | No Safe Harbor Limit              | EN ISO 14362-1, -3 (textile) EN ISO 17234-1, -2 (leather) (methods specified in REACH Annex XVII, Appendix 10) LOQ: 20 mg/kg (per each of the arylamine breakdown products). | X |
|------------|--|-----------------------------------|--|---|
| 10124-43-3 | Cobalt sulfate                               | No Safe Harbor Limit              | Extractable cobalt (ISO 16<br>16711-2 textile, 17072-1 leather),<br>Total content of cobalt (ISO<br>16711-1, Textile ISO 17072-2<br>leather)                                 | X |
| 10124-43-4 | Ethylene dichloride (1,2-<br>Dichloroethane) | No Safe Harbor Limit              | No standardised test method for<br>all substances available.<br>Test equipment: GC-MS, GC-<br>ECD  | X |
| 75-21-9    | Ethylene oxide                               | NSRL: 2 μg/day MADL: 20<br>μg/day | Solid-phase microextraction followed by gas chromatography-mass spectrometry method (SPME-GC-MS)?  | X |
| 90-94-8    | Michler's ketone                             | NSRL: 0.8 μg/day                  | EN ISO 14362-1, -3 (textile) EN ISO 17234-1, -2 (leather) (methods specified in REACH Annex XVII, Appendix 10) LOQ: 20 mg/kg (per each of the arylamine breakdown products). | X |
| 91-20-3    | Naphthalene                                  | NSRL: 5.8 μg/day                  | AfPS GS 2019-01 PAK<br>ISO/TS 16190 (footwear)<br>EN 17132 (textile)<br>LOQ: 0.2 mg/kg   | X |

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| 1120-71-4 | 1,3-Propane sultone                  | NSRL: 5.8 μg/day     | Test equipment GC-MS   | X |
|-----------|--------------------------------------|----------------------|--|---|
| 72-57-1   | Trypan blue (commercial grade)       | No Safe Harbor Limit | EN ISO 14362-1, -3 (textile) EN ISO 17234-1, -2 (leather) (methods specified in REACH Annex XVII, Appendix 10) LOQ: 20 mg/kg (per each of the arylamine breakdown products). | X |
| 118-74-1  | Hexachlorobenzene                    | NSRL: 0.4 μg/day     | EN 17137 (textile) for chlorotoluenes and chlorobenzenes?  | X |
| 1309-64-4 | Antimony oxide (Antimony trioxide)   | No Safe Harbor Limit | Extractable antimony (ISO 16711-2 textile, 17072-1 leather) and/or total content of antimony (ISO 16711-1, Textile ISO 17072-2 leather)                                      | X |
| 75-09-2   | Dichloromethane (Methylene chloride) | 50 μg/day            | No standardised test method for all substances available. Test equipment: GC-MS, GC-ECD  | X |
| 62-75-9   | N-Nitrosodimethylamine               | NSRL: 0.04 μg/day    | EN 71-12 (TSD)No standardised test method available for textiles. Test equipment: LC-MS, GC-   | X |

| 137-42-8   | Metham sodium                                 | No Safe Harbor Limit          | Test equipment GC-MS?   | X |
|------------|---|-------------------------------|---|---|
| 132-27-4   | o-Phenylphenate, sodium                       | NSRL: 200 μg/day              | ISO 13365:2011. Leather DIN 50009:2021 (AFIRM)                                | X |
| 90-43-7    | o-Phenylphenol (OPP)                          | No Safe Harbor Limit          | ISO 13365:2011. Leather DIN 50009:2021 (AFIRM)                                | X |
| 88-06-2    | 2,4,6-Trichlorophenol                         | NSRL: 10 μg/day               | DIN 50009:2021 (AFIRM);<br>Reporting limit 5 ppm each                         | X |
| 74-83-9    | Methyl bromide, as a structural fumigant      | MADL - Inhalation: 810 μg/day | VOC analysis GC-MS  | X |
| 13674-87-8 | Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) | NSRL: 5.4 μg/day              | All materials: EN ISO 17881-<br>1:2016 (AFIRM):<br>Reporting limit 5 ppm each | X |
| 593-60-2   | Vinyl bromide                                 | No Safe Harbor Limit          | EN ISO 17881-1:2016<br>(AFIRM):<br>Reporting limit 5 ppm each                 | X |

#### 1.4.13 CANDIDATE LIST WITH SUBSTANCES OF VERY HIGH CONCERN

#### Link to the SVHC List

The list of ECHA Candidates, SVHC's, is continuously updated. This list is available on the ECHA homepage below: Candidate List of substances of very high concern for Authorisation - ECHA (europa.eu)

## Appendix 01

| TIG          | ΓIGER OF SWEDEN RSL CORRECTIVE ACTION PLAN (CAP)   |   |  |  |  |
|--------------|--|---|--|--|--|
|              | Style number:                                      | Brand:  |  |  |  |
| oJu          | Style name:  | Season:                                       |  |  |  |
| Product info | Col code:  | Purchase order number:                        |  |  |  |
| Pro          | Product:   | Supplier name:                                |  |  |  |
|              | Merchandiser's name and email:                     | Supplier contact's name and email:            |  |  |  |
|              | Testing lab:                                       | Lab contact's name and email:                 |  |  |  |
| oju          | Test report number:                                |   |  |  |  |
| Lab info     | Description of the failed components and found     | substance:                                    |  |  |  |
|              |  |   |  |  |  |
|              | Identification and mapping of the source in the p  | rocess where the failure occur:               |  |  |  |
|              |  |   |  |  |  |
|              | Provide an action plan for correcting the specific | case:   |  |  |  |
|              |  |   |  |  |  |
|              |  |   |  |  |  |
|              | Provide an action plan for supplier to prevent the | e same to repeat in future production:        |  |  |  |
| CAP          |  |   |  |  |  |
|              |  | TX 10   |  |  |  |
|              | Action taken to prevent the same to repeat:        | Verification of action taken and implemented: |  |  |  |
|              |  |   |  |  |  |
|              | List of relevant documentation to be attached:     |   |  |  |  |
|              |  |   |  |  |  |
|              | Signature  | Date:   |  |  |  |

### Appendix 02

#### RISK ASSESSMENT OF NANO SIZED MATERIALS

#### Questionnaire for suppliers of products that may contain Nano sized materials.

#### INTRODUCTION

Please provide as detailed answers as possible using all of your available information for each endpoint section below. Please write your answers per endpoint on a separate document which you enclose.

If there is no information available, please indicate with (X) below.

If the endpoint is irrelevant, please indicate with (X) below and provide a written explanation in the "comments" column regarding why this particular endpoint is irrelevant.

#### ENDPOINTS FOR NANO SIZED MATERIALS:

| Nanomaterial Information/ Identification          | No data<br>available | Irrelevant | Comments |
|---|----------------------|------------|----------|
| Nanomaterial name                                 |                      |            |          |
| CAS Number  |                      |            |          |
| Structural formula/molecular structure            |                      |            |          |
| Composition of Nano material (including degree of |                      |            |          |
| purity, known impurities or additives)            |                      |            |          |
| Basic morphology                                  |                      |            |          |
| Description of surface chemistry (e.g., coating,  |                      |            |          |
| modification)                                     |                      |            |          |
| Major commercial uses                             |                      |            |          |
| Known catalytic activity                          |                      |            |          |
| Method of production (e.g., precipitation, gas    |                      |            |          |
| phase)  |                      |            |          |
| Other relevant identification data                |                      |            |          |

| Physical-Chemical Properties and Material              | No data   | Irrelevant | Comments |
|--|-----------|------------|----------|
| Characterization                                       | available |            |          |
| Agglomeration/ aggregation                             |           |            |          |
| Water solubility/ Dispersibility                       |           |            |          |
| Crystalline phase                                      |           |            |          |
| Dustiness  |           |            |          |
| Crystallite size                                       |           |            |          |
| Representative Electron Microscopy (TEM) picture(s)    |           |            |          |
| (if available, please enclose).                        |           |            |          |
| Particle size distribution – dry and in relevant media |           |            |          |
| Specific surface area                                  |           |            |          |
| Zeta potential (surface charge)                        |           |            |          |
| Surface chemistry (where appropriate)                  |           |            |          |
| Photo catalytic activity                               |           |            |          |
| Pour density   |           |            |          |
| Porosity   |           |            |          |
| Octanol-water partition coefficient, where relevant    |           |            |          |
| Redox potential  |           |            |          |
| Radical formation potential                            |           |            |          |
| Other relevant Physical-Chemical Properties and        |           |            |          |
| Material Characterization information (please specify  |           |            |          |
| if available).   |           |            |          |

| Environmental Fate                                    | No data   | Irrelevant | Comments |
|---|-----------|------------|----------|
|   | available |            |          |
| Dispersion stability in water                         |           |            |          |
| Biotic degradability                                  |           |            |          |
| Ready biodegradability                                |           |            |          |
| Inherent biodegradability                             |           |            |          |
| Simulation testing on ultimate degradation in surface |           |            |          |
| water   |           |            |          |
| Soil simulation testing                               |           |            |          |
| Sediment simulation testing                           |           |            |          |
| Sewage treatment simulation testing                   |           |            |          |
| Identification of degradation product(s)              |           |            |          |
| Abiotic Degradability and Fate                        |           |            |          |
| Adsorption- desorption                                |           |            |          |
| Adsorption to soil or sediment                        |           |            |          |
| Bioaccumulation potential                             |           |            |          |
| Other relevant environmental fate information         |           |            |          |
| (please specify if available)                         |           |            |          |

| Environmental Toxicology    | No data<br>available | Irrelevant | Comments |
|-----------------------------|----------------------|------------|----------|
| Effects on pelagic specie   |                      |            |          |
| (short term/long term)      |                      |            |          |
| Effects on sediment species |                      |            |          |
| (short term/long term)      |                      |            |          |
| Effects on soil species     |                      |            |          |
| (short term/long term)      |                      |            |          |

| Effects on terrestrial species      |  |  |
|-------------------------------------|--|--|
| Effects on microorganisms           |  |  |
| Effects on activated sludge at WWTP |  |  |
| Other relevant information          |  |  |
| (please specify if available)       |  |  |

| Mammalian Toxicology                    | No data   | Irrelevant | Comments |
|---|-----------|------------|----------|
|   | available |            |          |
| Pharmacokinetics/ Toxicokinetics (ADME) |           |            |          |
| Acute toxicity                          |           |            |          |
| Repeated dose toxicity                  |           |            |          |
| Chronic toxicity                        |           |            |          |
| Reproductive toxicity                   |           |            |          |
| Developmental toxicity                  |           |            |          |
| Genetic toxicity                        |           |            |          |
| Experience with human exposure          |           |            |          |
| Other relevant test data                |           |            |          |
| (please specify if available)           |           |            |          |

| Material Safety | No data<br>available | Irrelevant | Comments |
|-----------------|----------------------|------------|----------|
| Flammability    |                      |            |          |
| Explosivity     |                      |            |          |
| Incompatibility |                      |            |          |

Source: (OECD, Series on the Safety of Manufactured Nanomaterials No. 27, LIST OF MANUFACTURED NANOMATERIALS AND LIST OF ENDPOINTS FOR PHASE ONE OF THE SPONSORSHIP PROGRAMME FOR THE TESTING OF MANUFACTURED NANOMATERIALS: REVISION, 1st of December 2010)

### CONFORMITY STATEMENT

| (Supplier)                                | hereby confirm that the information provided in this document is |
|---|--|
| consistent with the current state-of-the- | art for (Product)  |
| Supplier Contact info (name, telephone    | no, mail)  |
|   |  |
| Authorized signature                      | Place and date   |

### Appendix 03 - Proposition 65 risk assessment

# AM I REQUIRED TO LABEL MY PRODUCT? Do any Part of the article contain Proposition 65 Substance? NO YES Is the substance over the safe harbor level? NO LABEL REQUIRED YES NO Is there a risk of exposure to the substance? YES NO For more information on safe LABEL REQUIRED harbor levels and risk of exposure, visit the OEHHAwebsite.

## Appendix 04 – Eurofins/Modern Testing Services Contact (Hong Kong) for Tiger of Sweden:



# Modern Testing Services

| Eurofins MTS Consumer<br>Product Testing Hong<br>Kong Ltd. |              | Contact phone         | Contact email    |
|--|--------------|-----------------------|------------------|
| Eurofins Softlines &                                       | Charles Wong | Phone: +852 3604-1301 | charleswong@mts- |
| Leather, Toys & Hardlines                                  |              |                       | global.com       |