



**Swan-labelling of  
Toys**  
Draft proposal September 2006



**Nordic Ecolabelling**

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This is a translation of the criteria document in Norwegian.

In any case of dispute, the original document should be taken as authoritative.

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**Appendices**

1	Appendix 1 Products not eligible for a Swan Label and not encompassed by the criteria for toys
2	Appendix 2 Form for overview of materials and production (R1)
3	Appendix 3 The marketing of Swan-labelled toys
4	Appendix 4 Forms for various materials

## What is a Swan-labelled toy?

A Swan-labelled toy fulfils strict health and environmental requirements. These requirements apply to ingoing materials, surface treatment and the production of raw materials and the end product. The requirements stress the use of wooden raw materials taken from certified forestry operations, the use of substances that are not harmful to health and the environment and satisfactory durability.

A Swan-labelled toy will have documented by means of test reports that it fulfils the strictest safety requirements laid down by the authorities.

## Why choose the Swan label?

- The health and environmental requirements of the Swan label provide the individual manufacturer with guidance on how to contribute to the development of a sustainable society.
- The manufacturer and retailer may use the Swan label in their marketing.
- The Swan label represents a cost effective and simple way for manufacturers and retailers to communicate their work for and commitment to the environment to customers and suppliers.
- Introducing environmentally-friendly production can enable the manufacturer to prepare for future health and environmental requirements.
- Environmental questions are complex and it can take a long time to gain insight into specific environmental issues. Swan labelling can function as a guide to this work.

## What products can be Swan-labelled?

Toys for children aged under 14 years of age are eligible for a Swan label if they are made of one or more of the following materials:

- wood-based materials
- metal
- plastic and rubber
- textiles
- Padding materials

Materials for which no requirements are imposed may each make up to 1% in weight of the toy. In total, materials for which no requirements are imposed may make up 2% in weight of the toy.

A toy is defined as a product designed, manufactured or sold with a view to use in play by children. The toy must be encompassed by EU Directive No. 88/378/EEC.

Typical toys that qualify for a Swan label include rattles, teething toys, and activity toys made of various materials for children aged under 3. Building blocks, puzzles, electric cars and train sets may also be Swan-labelled.

Toys that come under product categories for which ecolabelling criteria have already been developed, including textile products, writing instruments and printed matter/paper products, may also be Swan-labelled. If so, the requirements in the relevant ecolabelling criteria in the other criteria documents must be fulfilled. For further information, contact the ecolabelling organisation (the addresses can be found at the beginning of this document).

Hobby materials are not eligible for a Swan label. Hobby materials are materials used for hobby, handicraft and pictorial art. Examples of such materials include modelling wax, clay and plaster of paris.

Toys that are not encompassed by EU Directive No. 88/378/EEC cannot be Swan-labelled. Appendix 1 provides an overview of 21 product areas that are not regarded as toys, including babies' dummies, sports equipment, bicycles (except bicycles that are regarded as toys, with a maximum seat height of 635 mm), fireworks and faithful reproductions of real firearms.

## How to apply?

Manufacturers, importers and retailers may apply for a licence.

Each requirement is labelled with the letter R (requirement) and a number. For a licence to be awarded, all relevant requirements must be fulfilled.

Each requirement is accompanied by a description of the way in which the requirement must be documented (☒). A requirement will not have been fulfilled before the documentation has been submitted.

### Application

Send the application and the associated documentation to Nordic Ecolabelling in the country in which the toy will be sold, see the address list at the beginning of the document. An application consists of an application form and documentation showing that the requirements have been fulfilled (specified in the requirements).

Further information and assistance with applications is available on the websites of the individual national organisations.

### **Sales in other Nordic countries**

Registering the licence in one or more other Nordic countries will allow the Swan label to be used on a wider market. To do so, the following must be submitted to Nordic Ecolabelling

- Application form to sell the product in the country in question.
- Instructions for use in the language in question.
- Documentation showing the recycling system that the manufacturer/importer/retailer intends to participate in.

Registration is free of charge, but annual charges are payable as provided for in the list of charges in the various Nordic countries.

### **On-site inspections**

An on-site inspection visit will be made during the closing phases of the processing of the application. During this inspection, the underlying figures for calculations, the originals of submitted documentation, measurement records, purchasing statistics and the like confirming the fulfilment of the requirements must be presented upon request.

### **Costs**

An application fee is payable in connection with licence applications. In addition, an annual fee is payable based on sales of the Swan-labelled toy.

### **Questions**

Nordic Ecolabelling may be contacted in the event of questions. See the address list at the start of the document.

## **What requirements must be met for a Swan label to be awarded?**

The document contains some general requirements as well as requirements relating to various materials. For a Swan label licence to be awarded, all general requirements and all requirements relating to the materials in the toy in question must be fulfilled. To fulfil a requirement, documentation specified in the documentation requirement must be submitted. The requirement will be fulfilled when the necessary documentation has been presented.

# 1 Description of the toy and the production of the toy

## R1 Description

The toy and the production of the toy must be described as specified in points 1-7 below. If the applications relates to several types of toys which contain the same materials supplied by the same suppliers in equivalent quantities, information may be submitted on one representative toy.

Materials for which no requirements are specified may make up to 1% by weight of the toy. In total, the toy may contain 2% by weight of materials for which no requirements are imposed.

1. Provide a brief description of the type of toy and the age group for which the toy is suited. Describe the various materials and small parts (screws, hinges, knobs etc.)
2. Determine the weight of the toy and Packaging.
3. Separate the toy into its various materials and small parts (screws, hinges, knobs etc.)
4. Determine the weight of the individual materials (excluding packaging).
5. Provide an overview of the suppliers of the various materials. Small parts are exempted. (Appendix 2 may be used).
6. Check the total quantities for each individual material in the form below to provide an overview of the relevant requirements.
7. Draft a flow chart to illustrate the production flow, including various suppliers and, where applicable, manufacturers of various parts used in the toy. (Appendix 2 may be used).

**Table 1 Overview of materials and the chapters in which the requirements are specified**

Material	Weight %	Requirement	Quantities in toy	Relevant Yes <input type="checkbox"/> No <input type="checkbox"/>
Plastic	More than 1 weight %	R2, R3-R5, R7-R9		Yes <input type="checkbox"/> No <input type="checkbox"/>
Rubber	More than 1 weight %	R2, R5- R9		Yes <input type="checkbox"/> No <input type="checkbox"/>
PVC	More than 1 weight %	R2, R4, R5, R7-R9		Yes <input type="checkbox"/> No <input type="checkbox"/>
Recycled plastic	More than 1 weight %	R2, R3-R5, R7-R9		Yes <input type="checkbox"/> No <input type="checkbox"/>
Textile, general requirements	More than 1 weight %	R10-R19		Yes <input type="checkbox"/> No <input type="checkbox"/>
Skin and leather	More than 1 weight %	R28		Yes <input type="checkbox"/> No <input type="checkbox"/>
Acrylic, special requirements	More than 1 weight %	R20		Yes <input type="checkbox"/> No <input type="checkbox"/>
Polyester, Special requirements	More than 1 weight %	R21		Yes <input type="checkbox"/> No <input type="checkbox"/>
Elastane, special requirements	More than 1 weight %	R22		Yes <input type="checkbox"/> No <input type="checkbox"/>
Cotton, special requirements	More than 50 weight %	R23-R24		Yes <input type="checkbox"/> No <input type="checkbox"/>
Wool, special requirements	More than 50 weight %	R25-R26		Yes <input type="checkbox"/> No <input type="checkbox"/>
Colour fastness	More than 50 weight %	R27		Yes <input type="checkbox"/> No <input type="checkbox"/>
Padding materials	More than 1 weight %	R29-R33		Yes <input type="checkbox"/> No <input type="checkbox"/>
Wood	More than 1 weight % More than 10 weight %	R34 R35-R36		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
Wood-based materials	More than 10 weight %	R37-R44		Yes <input type="checkbox"/> No <input type="checkbox"/>
Surface treatment	More than 1 weight %	R45-R48		Yes <input type="checkbox"/> No <input type="checkbox"/>
Board and paper	More than 10 weight %	R49		Yes <input type="checkbox"/> No <input type="checkbox"/>
Printed matter		R50		Yes <input type="checkbox"/> No <input type="checkbox"/>
Metal, coating	Small parts exempted	R51		Yes <input type="checkbox"/> No <input type="checkbox"/>
Metal, surface treatment	All metal parts	R52-R54		Yes <input type="checkbox"/> No <input type="checkbox"/>
Electric toys, special requirements		R55-R61		Yes <input type="checkbox"/> No <input type="checkbox"/>
Adhesive		R62-R65		Yes <input type="checkbox"/> No <input type="checkbox"/>
Fragrance		R66		Yes <input type="checkbox"/> No <input type="checkbox"/>
Safety		R67		Yes <input type="checkbox"/> No <input type="checkbox"/>
Packaging		R68-R69		Yes <input type="checkbox"/> No <input type="checkbox"/>

Checked form reflecting composition of toy

## 2 Health and environmental requirements

### 2.1 Plastic and rubber

**R2-R9 apply to plastic/plastic parts and rubber present in quantities in excess of 1% by weight.**

#### **R2 Description of material**

Plastic/plastic parts and rubber present in the toy must be described in terms of polymer and proportion of filler.

Description as specified in Form 1, Part A of Appendix 4.

#### **R3 Recycled plastic**

The toy must not contain plastic/plastic parts made of recycled plastic. An exception applies to recycled plastic based on pure fractions that fulfil the requirements of R5, R7-R9.

Documentation as specified in Form 1, Part A of Appendix 4.

#### **R4 PVC**

Swan-labelled toys must not contain PVC.

Exemptions may be granted in cases in which it is necessary to use PVC for safety reasons (e.g. in wiring). PVC exempted from the requirement must fulfil the requirements of R5 (with the exemption of the requirement relating to phthalates) and R7-R9.

Documentation as specified in Form 1, Part A of Appendix 4.

#### **R5 Additives to plastic and rubber**

The following additives must not be actively added to plastics/plastic parts and rubber:

- substances classified as R40, R45, R46, R49, R60, R61, R62, R63 and/or R68 in accordance with regulations in force in any Nordic country or the EU classification system (18th adaptation of directive 67/548/EEC).
- substances based on lead, cadmium, mercury and their compounds and organotin compounds.\*
- phthalates
- halogenated organic compounds.

Documentation as specified in Form 1, Part B of Appendix 4.

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**R6 Nitrosamines in rubber**

The content of nitrosamines must not exceed 0.01 mg/kg rubber.

The content of nitrosamine-forming substances must not exceed 0.1 mg/kg rubber.



Documentation as specified in Form 1, Part B of Appendix 4.

**R7 Colourants**

Colourants used for dyeing and/or the surface treatment of plastic/plastic parts and rubber must not contain:

- Substances based on lead, cadmium, mercury and their compounds
- Organotin compounds
- Phthalates
- Halogenated organic compounds
- Aromatic solvents in excess of 1% by weight

*Tin organic compounds are defined as compounds in which tin is bound directly to the carbon atom.*



Documentation as specified in Form 1, Part C of Appendix 4.

**R8 Pigments**

Pigments used for the purpose of dyeing or the surface treatment of plastic/plastic parts and rubber must be approved in accordance with the EU Guidelines on materials and articles intended to come into contact with food (Regulation (EC) No. 1935/2004), the FDA (Food and Drug Administration) Guidelines or the BfRs (Bundesinstitut für Risikobewertung) Guidelines.



Documentation as specified in Form 1, Part C of Appendix 4.

**R9 Fragrance**

Fragrance must not be present in plastic/plastic parts and/or rubber in toys for children aged 0-3 years.

In the case of plastic/plastic parts and/or rubber used in other toys, the following fragrance requirements must be fulfilled:

- Fragrances on the EU Scientific Committee's SCCNFP list of fragrances with a particular potential to trigger allergies must not be added.
- Fragrances classified as R42 and/or R43 in accordance with regulations in force in any Nordic country or in accordance with the EU classification system (18<sup>th</sup> adaptation of Directive 67/548/EEC) must not be added.
- Musk xylene, musk ketone, musk ambrette, musk tibetane, muskene and polycyclic musk compounds must not be added.



Documentation as specified in Form 1, Part D of Appendix 4.

## 2.2 Textiles, skins and leather

### **R10–R22 apply to textiles that are present in quantities in excess of 1% by weight**

#### **R10 Ecolabelled textiles**

Does the textile have a Swan label?

Does the textile carry the EU Flower?

If the textile is Swan-labelled or EU Flower-labelled, the applicant will not need to document R12-R27.

- The textile's name, manufacturer and production location and the textile's licence number or standard contract number.

#### **R11 Fragrance**

Fragrance must not be present in textiles contained in toys for children aged 0-3 years.

In the case of textiles used in other toys, the following fragrance requirements must be fulfilled:

- Fragrances on the EU Scientific Committee's SCCNFP list of fragrances with a particular potential to trigger allergies must not be added.
- Fragrances classified as R42 and/or R43 in accordance with regulations in force in any Nordic country or in accordance with the EU classification system (18<sup>th</sup> adaptation of Directive 67/548/EEC) must not be added..
- Musk xylene, musk ketone, musk ambrette, musk tibetine, moskene and polycyclical musk compounds must not be added.

- Documentation as specified in Form 2, Part C of Appendix 4.

#### **R12 Auxiliary chemicals used in the production of textiles (including dyeing and printing)**

Alkylphenol ethoxylates (APEO), linear alkyl benzene sulphonates (LAS), di(hydrogenated tallow dimethyl ammonium chloride (DHT), ammonium chloride (DHTDMAC), distearyl dimethyl ammonium chloride (DSDMAC), ditallow dimethyl ammonium chloride (DTDMAC), ethylene diomine tetra acetate (EDTA) and diethylene triamine pentaacetate (DTPA) must not be used and must not be present in any of the preparations or mixtures used.

- Documentation as specified in Form 2, Part B of Appendix 4.

**R13 The dyeing of textiles, impurities**

The concentration of impurities (ionic form) in dyestuffs must not exceed the following values:

Ag	100 ppm	As	50 ppm
Ba	100 ppm	Cd	20 ppm
Co	500 ppm	Cr	100 ppm
Cu	250 ppm	Fe	2500 ppm
Hg	4 ppm	Mn	1000 ppm
Ni	200 ppm	Pb	100 pp
Se	20 ppm	Sb	50 ppm
Sn	250 ppm	Zn	1500 ppm

An exemption applies to metals that form an integral part of the dyestuff molecule (e.g. metal-complex dyestuffs and certain reactive dyestuffs) when assessing whether these values have been fulfilled (impurities in the dyestuff).

Documentation as specified in Form 2, Part B of Appendix 4.

**R14 Metal-complex dyestuffs**

Metal complex dyestuffs based on copper, chromium or nickel must not be used.

Documentation as specified in Form 2, Part B of Appendix 4.

**R15 Azo dyestuffs:**

Azo dyestuffs that may shed aromatic amines as specified in Form 2, Part B of Appendix 4 must not be used.

Documentation as specified in Form 2, Part B of Appendix 4.

**R16 Dyestuffs that are carcinogenic, mutagenic or toxic for reproduction**

The following dyestuffs must not be used:

- C.I. Basic Red 9, C.I. Disperse Blue 1, C.I. Acid Red 26, C.I. Basic Violet 14 C.I. Disperse Orange 11, C. I. Direct Black 38, C. I. Direct Blue 6, C. I. Direct Red 28, C. I. Disperse Yellow 3
- Dyestuffs or mixtures containing more than 0.1 by weight of substances that have been or may be allotted one or more of the following phrases (or combinations thereof): R40, R45, R46, R49, R60, R61, R62, R63 and/or R68 in accordance with regulations in force in any Nordic country or in accordance with the EU classification system (18th adaptation of Directive 67/548/EEC).

Documentation as specified in Form 2, Part B of appendix 4.

### **R17 Printing**

Printing paste may as a maximum contain 5 % by weight of organic solvents..

*Organic solvents are defined as organic compounds with a boiling point of less than 250°C at 1atm pressure or a vapour pressure of over 0.01 kPa at 293.12 K.*

The concentration of impurities (ionic form) in pigments must not exceed the following values:

- As 50 ppm;
- Ba100 ppm;
- Cd 50 ppm;
- Cr 100 ppm;
- Hg 25 ppm;
- Pb 100 ppm;
- Se 100 ppm;
- Sb 250 ppm
- Zn 1000 ppm.

Plastisol based printing is not permitted.

Documentation as specified in Form 2, Part B of Appendix 4.

### **R18 Formaldehyde**

The quantity of free formaldehyde in the finished textile must not exceed 30 ppm.

Documentation as specified in Form 2, Part A of Appendix 4.

### **R19 Finishing of the textile**

Halogenated organic compounds must not be used in the finishing of the textile.

Preparations or mixtures for sizing (e.g. flame-retardants) and that contain more than 0.1% by weight of substances that at the time of the application have been or may be allotted one or more of the following risk phrases (or combinations thereof): R40, R45, R46, R49, R60, R61, R62, R63, R68, R50, R52 and/or R53 in accordance with the regulations in force in any Nordic country, or in accordance with the EU classification system (18th adaptation of Directive 67/548/EEC) must not be used.

Documentation as specified in Form 2, Part A of Appendix 4.

### **R20 Acrylic**

Traces of acrylonitrile in untreated fibre must not exceed 1.5 g acrylonitrile/kg of produced fibre.

Documentation as specified in Form 2, Part A of Appendix 4.

### **R21 Polyester**

The content of antimony in polyester fibre must be less than or equal to 260 ppm.

Documentation as specified in Form 2, Part A of Appendix 4.

**R22 Elastane**

Tin organic compounds must not be used in production of elastane.

*Tin organic compounds are defined as compounds in which tin is bound directly to the carbon atom.*

- Documentation as specified in Form 2, Part A of Appendix 4.

**R23-R27 apply to textiles present in quantities in excess of 50% by weight (total of cotton and wool)****R23 Growth fibres (cotton, linen, hemp, coir and the like), pesticides,**

Cotton and other natural cellulose seed fibre (referred to in the following as cotton) must not contain more than 0.05 ppm (if permitted by the precision of the method of analysis used) of each of the pesticides specified in Form 2, Appendix 4..

- Documentation as specified in Form 2, Part A of Appendix 4.

**R24 Growth fibres, TOC and COD emissions**

Where retting is performed (with the exception of dew retting using mechanical methods), the emissions of TOC/COD must be reduced by at least 75% in relation to untreated emissions, measured as TOC or COD in internal/external treatment plants, or through internal measures designed to limit emissions.

- Documentation as specified in Form 2, Part A of Appendix 4.

**R25 Wool fibre, pesticides**

The content of pesticides must not exceed the following threshold values for the substances specified in Form 2 of Appendix 4:

- 0.5 ppm of total quantities of substances in Group A
- 2 ppm of total quantities of substances in Group B
- 0.5 ppm of total quantities of substances in Group C
- 2 ppm of total quantities of substances in Group D.

- Documentation in accordance with the specifications in Form 2, Part A of Appendix 4.

**R26 Wool fibre, COD-emissions**

Emissions of COD in waste water from scouring to the sewage system must not exceed 60 g/kg untreated wool.

COD in wastewater must reduced by at least 75% (annual mean value).

- Documentation as specified in Form 2, Part A of Appendix 4.

## **R27 The colour fastness of textiles**

### **R27 Colour fastness**

Colour fastness to wet abrasion must be at least level 2-3.

Colour fastness to dry abrasion must be at least 4.

Colour fastness to light must be at least 5.

- Documentation as specified in Form 2, Part A of Appendix 4.

## **R28 applies to skins and leathers present in quantities in excess of 1% by weight**

### **R28 Skins and leather**

Is the skin or leather Swan-labelled?

If no, the requirements specified in the criteria document "The Swan labelling of Textiles, Skins and Leather" Version 3, must be fulfilled.

- The name, manufacturer and production location and licence number of the skins/leather.
- Any documentation relating to the criteria document "The Swan-labelling of Textiles, Skins and Leather" Version 3.0 or later.

## **2.3 Padding material**

### **R29-R33 encompasses padding materials in quantities in excess of 1% by weight**

#### **R29 Free formaldehyde**

Quantity of free formaldehyde in padding materials must not exceed 30 ppm.

- Documentation as specified in Form 3, Part A of Appendix 4.

#### **R30 Blowing agents**

CFC, HCFC, HFC and/or methylene chloride must not be used as a blowing agent or auxiliary blowing agent.

- Documentation as specified in Form 3, Part A of Appendix 4.

#### **R31 Fragrance**

Fragrance must not be present in padding material in toys for children aged 0-3 years.

In the case of padding material used in other toys, the following fragrance requirements must be fulfilled:

- Fragrances on the EU Scientific Committee's SCCNFP list of fragrances with a particular potential to trigger allergies must not be added.

- Fragrances classified as R42 and/or R43 in accordance with the regulations in force in any Nordic country or in accordance with the EU classification system (18<sup>th</sup> adaptation of Directive 67/548/EEC) must not be added..
- Musk xylene, musk ketone, musk ambrette, musk tibetine, moskene and polycyclical musk compounds must not be added. .

Documentation as specified in Form 3, Part C of Appendix 4.

### **R32 Colourants**

Colourants may be used only if the production of the padding material utilises dyeing for the purpose of controlling production units during the production process itself. If colourants are used, the requirements applicable to dyeing in R13-R16 must be fulfilled.

Documentation as specified in Form 3, Part B of Appendix 4.

### **R33 Polyester**

The content of antimony in polyester fibre must be less than or equal to 260 ppm.

Documentation as specified in Form 3, Part A of Appendix 4.

## **2.4 Wood and wood-based materials**

### **2.4.1 Wood**

Solid wood, wood laminate, plywood and other natural materials such as willow, bamboo etc are defined as wood.

### **R34 encompasses wood present in quantities in excess of 1% by weight**

#### **R34 Traceability**

The licenceholder must be able to trace the origins of all wood (with the exception of small parts that make up less than 1% by weight of the toy). The licenceholder must ensure that raw materials do not derive from forest environments that require protection for social or biological reasons. If the use of wood deriving from forest environments that require protection for biological and/or social reasons is revealed, the ecolabelling organisation may revoke the licence.

Documentation as specified in Form 4, Part A of Appendix 4.

## **R35-R36 apply to wood present in quantities in excess of 10% by weight**

### **R35 Impregnation/treatment/modification of wood**

All chemicals used in the impregnation/treatment/modification of wood must be disclosed.

Chemical products used for impregnating wood which at the time of the application have been or may be allotted one or more of the following risk phrases (or combinations thereof): R40, R42, R45, R46, R49, R60 - R63, R68, R23-R28, R50, R52 and/or R53 in accordance with regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or the EU classification system 1999/45/EC (with adaptations and amendments) must not be used.

The chemical product must not contain the following:

- Halogenated organic compounds
- phthalates
- aziridine and polyaziridines
- creosote

Active ingredients, pigments or additives must not be based on arsenic, lead, boron, tin, cadmium, copper, chromiumVI or mercury.

Chemical products used for impregnating wood must contain  $\leq 5\%$  by weight organic solvents. The content of aromatic compounds must not exceed 5% by weight.

*Organic solvents are defined as organic compounds with a boiling point of less than 250°C at 1 atm or a vapour pressure of over 0.01 kPa at 293.12 K.*

Solvents that polymerise in the wood may be used if the degree of polymerisation is at least 95%.

- Documentation as specified in Form 4, part B of Appendix 4.

### **R36 Certified wood**

40% by weight of all wood in a toy for which a Swan Label is sought must derive from certified forestry operations. Certification must be performed by a third party in accordance with a forestry standard that fulfils the requirements applicable to standards and certification systems in Form 4.

- Overview of the proportion (%) of certified wood per annum in the applicant's Swan-labelled production of toys.
- Description of the system used to secure the traceability of the wood and a copy of the certificate signed and approved by a certification body (in accordance with Form, part A of Appendix 4).

### 2.4.2 Wood-based materials

Particle board, hardwood, MDF board, HPL board and plywood are defined as wood-based materials.

## R37-R44 apply to panels present in quantities in excess of 10% by weight

### R37 Ecolabelled building panel

Is the panel Swan-labelled?

If yes, omit the remainder of the requirements in this chapter.

Name of board and manufacturer and licence number of board.

### R38 Traceability

The licenceholder must be able to trace the origins of all wood (with the exception of small parts that make up less than 1% by weight of the toy). The licenceholder must ensure that raw materials do not derive from forest environments that require protection and/or social reasons. If the use of wood deriving from forest environments that require protection for biological and/or social reasons is revealed, the ecolabelling organisation may revoke the licence.

Documentation as specified in Form 5, part A of Appendix 4.

### R39 Formaldehyde

In the case of panels containing formaldehyde additives, one of the following two requirements must be fulfilled:

- 1) The content of free formaldehyde must not exceed the following threshold value as determined using the version of EN-120, the Perforator Method, in force from time to time:
  - In the case of individual values:  $\leq 8$  mg formaldehyde/100 g dry matter
  - In the case of the six-monthly mean value:  $\leq 6.5$  mg formaldehyde/100 g dry matter

The requirements apply to panels made of wood with a moisture content of  $H = 6.5\%$ .

- 2) As an alternative, plywood panels may fulfil the requirements provided for in the Finnish classification system "Emission Classification of Building Materials".

Emission:  $\leq 0.25$  mg formaldehyde/m<sup>2</sup>h.

Documentation as specified in Form 5, part B of Appendix 4.

#### **R40 Certified wood in the panel**

On an annual basis either 1, 2 or 3 must be fulfilled:

1. At least 30% by weight of all wood purchased for use in the panels used in a toy for which a Swan Label is sought must derive from certified forestry operations. Certification must be performed by a third party in accordance with a forestry standard that fulfils the requirements as to standards and certification systems contained in Form 5.
2. At least 50% of sawdust/wood shavings and/or off-cuts from sawmill operations and/or untreated wood deriving from demolished structures and/or recycled fibre.
3. A combination of 1) and 2). If the ingoing wood comprises < 50% sawdust/wood shavings and/or off-cuts from sawmill operations and/or untreated wood from demolished structures and/or recycled fibre, the proportion of ingoing wood from certified forestry must be calculated using the following formula:

Required portion of certified wood (%):  $-0.6X + 30$

where X = the proportion of sawdust/wood shavings and/or off-cuts from sawmill operations and/or untreated wood from demolished structures and/or recycled fibre.

- Overview of the proportion of certified wood used in the applicant's Swan-labelled production of toys on an annual basis.
- Description of the system used to secure the traceability of wood and a copy of a certificate signed and approved by a certification body (in accordance with Form 5, part A of Appendix 4).
- Documentation as specified in Form 5, part A of Appendix 4.

### **2.4.3 Chemicals used in the production of wood-based panels**

#### **R41 Classification of chemical products**

Chemical products added to the panel material used in the toy that at the time of application has been or may be allotted one or more of the following risk phrases (or combinations thereof) R40, R42, R45, R46, R49, R60 - R63, and/or R23-R28 in accordance with the regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and or the EU classification system 1999/45/EC (with adaptations and amendments) must not be used.

- Documentation as specified in Form 5, part C of Appendix 4.

#### **R42 Free formaldehyde**

Nevertheless, the content of free formaldehyde may be up to 0.3% by weight and the content of free formaldehyde in glue used in plywood and laminate panel may be up to 0.5% by weight.

- Documentation as specified in Form 5, part C of Appendix 4.

**R43 Chemical substances classified as R50, R52, R53**

The total quantity of ingoing chemical substances added to the panel and classified as R50, R52, R53 (or combinations thereof) in accordance with the regulations in force in any Nordic country or the EU classification system (18th adaptation of Directive 67/548/EEC) must be < 0.5 g/kg panel material.

The requirements are related to the chemical products with their chemical composition at the point at which they are mixed into the panel material.

☒ Documentation as specified in Form 5, part C of Appendix 4.

**R44 Additives in chemical products present in wood-based panels**

The following must not be added to the chemical product:

- halogenated organic binding agents
- halogenated organic flame retardants
- polychlorinated biphenols
- alkylphenoles
- phthalates
- aziridine and polyaziridines
- pigments and additives based on lead, tin, cadmium, chromium VI and mercury and their compounds

The content of alkylphenol ethoxylates or other alkylphenol derivatives in the chemical product must not exceed 0.6% by weight.

*Alkylphenol derivatives are defined as substances that shed alkylphenols during degradation.*

The content of aromatic solvents must not exceed 1% by weight of the chemical product.

☒ Documentation as specified in Form 5, part C of Appendix 4.

#### **2.4.4 The surface treatment of wood and wood-based materials**

**R45-R48 apply to chemical products used for the surface treatment of wood and wood-based materials present in the toy in quantities in excess of 1% by weight.**

##### **R45 Chemical products used for surface treatment**

Chemical products for the surface treatment of wood or wood-based materials that at the time of application have been or may be allotted one or more of the following risk phrases: R40, R42, R45, R49, R46, R60 - R63, and/or R23-R28 (or combinations thereof) in accordance with the regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments) must not be used.

Documentation as specified in Form 6 of Appendix 4.

##### **R46 Formaldehyde emissions**

Formaldehyde emissions from products used in surface treatment that shed formaldehyde must be less than 0.1 ppm formaldehyde.

Documentation as specified in Form 6 of Appendix 4.

##### **R47 Chemical substances present in products used for surface treatment**

The following must not be added to the chemical product:

- halogenated organic binding agents
- halogenated organic flame retardants
- polychlorinated biphenols
- alkylphenols
- phthalates
- aziridine and polyaziridines
- pigments and additives based on lead, tin, cadmium, chromium VI and mercury and their compounds

The content of aromatic solvents must be less than or equal to 5% in weight.

Alternatively reference may be made to test results which show TVOC (Total Volatile Organic Compounds) in the toy to be less than 1200µg/m<sup>2</sup> of air.

Documentation as specified in Form 6 of Appendix 4.

##### **R48 Products classified as environmentally harmful**

Surface treatment products classified as environmentally harmful R50, R50/53, R51/53, R52, R52/53 or R53) in accordance with the regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments) must not be used.

Documentation as specified in Form 6 of Appendix 4.

#### **2.4.5 Board and paper**

**R49 applies to board and paper present in quantities in excess of 10% by weight:**

**R49 Ecolabelled board and paper**

Is board/paper present in the toy Swan-labelled or Flower-labelled?

If not, documentation must be submitted that the board/paper fulfils the requirements applicable to board and paper.

- If the board/paper is Swan or Flower-labelled: The name of the manufacturer and product and the licence number.
- If the board/paper is not Swan or Flower-labelled, please refer to the applicable Swan and Flower requirements.

#### **2.4.6 Printed matter**

**R50 applies to printed matter present in the toy.**

**R50 Ecolabelled/approved printed matter**

Is the printed matter Swan-labelled?

If not, documentation must be submitted that the printing house in question fulfils the requirements applicable to printing houses.

- If the printing house is Swan-labelled: The name and licence number of the printing house.
- If the printing house is not Swan-labelled: Reference is made to the applicable Swan Label requirements. The same documentation requirements will apply as apply to an ecolabelled printing house.

## 2.5 Metal

### 2.5.1 The coating of metal parts in the toy

R51 applies to metal coatings. Small parts, for example screws, are exempted from the requirements applicable to coating.

#### R51 Coating

Halogenated organic compounds must not be used in the degreasing of metals.

Metal must not be coated with cadmium, chromium, nickel and their compounds.

In exceptional cases metal surfaces may be treated with chromium or nickel if this is necessary because of heavy physical wear and tear or where parts need to have a particularly tight fit.

Emissions from surface treatment with nickel or chromium must not exceed:

- Chromium, total: 0.1 mg/l
- Chromium (VI): 0.02 mg/l
- Nickel: 0.1 mg/l

Documentation as specified in Form 7, part A of Appendix 4.

### 2.5.2 The surface treatment of metal parts in the toy

Requirements R52-R54 apply to chemical products used in the surface treatment of metal. Small parts such as screws are encompassed by the requirements.

#### R52 Classification of chemical products:

Products for the preparation and surface treatment of metals (e.g. lacquers) that at the time of application have been or may be allotted one or more of the following risk phrases (or combinations thereof) R40, R42, R45, R46, R49, R60 - R63 and or R23-R28 in accordance with regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments) must not be used.

Documentation as specified in Form 7, part B of Appendix 4.

#### R53 Additives in chemical products:

The following must not be added to products for preparing or treating surfaces:

- halogenated organic compounds
- phthalates
- aziridine and polyaziridines
- pigments and additives based on lead, tin, cadmium, chromium VI and mercury and their compounds

Documentation as specified in Form 7, part B of Appendix 4.

**R54 Organic solvents**

The content of organic solvents must not exceed 5% by weight, of which the content of aromatic solvents must be less than or equal to 1% by weight.

- Documentation as specified in Form 7, part B of Appendix 4.

**2.6 Electric toys**

Requirements R55-R61 are special requirements applicable to electric toys. The various materials in the toy are subject to the material requirements provided in Chapter 2.

**R55 Heavy metals**

Materials (plastics and metal), including flux must not contain lead, mercury, cadmium or chromium (VI) in accordance with EU Directive 2002/95/EC (RoHS, restriction of use of certain hazardous substances).

- Documentation as specified in Form 8, part A of Appendix 4.

**R56 Production of circuit boards, microprocessors and motors**

Chemicals containing substances that are regulated under the Montreal Protocol must not be used in the end production of motors or in the production of circuit boards. These substances are CFC, HCFC, 1.1.1 trichloroethane and carbon tetrachloride.

- Documentation as specified in Form 8, part B of Appendix 4.

**R57 Constituent substances in circuit boards, microprocessors and motors**

Halogenated flame retardants must not be added to circuit boards, microprocessors and/or machines.

- Documentation as specified in Form 8, part B of Appendix 4.

**R58 Surface treatment of circuit boards, microprocessors and motors**

Varnish that is used as surface treatment must not contain halogenated flame retardants.

- Documentation as specified in Form 8, part B of Appendix 4.

**R59 Light sources**

Chemical products used in light emitting diodes must not be classified as R23-R28, R40, R45, R46, R49, R60, R61, R62, R63 in accordance with regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments).

- Documentation as specified in Form 8, part C of Appendix 4.

**R60 Push/rocker switches**

Push and/or rocker switches must not contain mercury.

- Documentation as specified in Form 8, part D of Appendix 4.

**R61 Batteries**

Batteries supplied with the toy must be Swan-labelled batteries or must fulfil the requirements in the criteria document for batteries.

Disposable batteries must be replacable.

- Declaration from the applicant or the battery manufacturer that the requirement has been fulfilled. Documentation as specified in Form 8, Part A of Appendix 4.

**2.7 Adhesives**

**R62-R65 apply to adhesives used in toys.**

**R62 Classification of adhesives**

Adhesives in toys must not be classified as R10, R11, R12, R23, R24, R25, R26, R27, R28, R40, R42, R43, R45, R49, R50, R52, R53 (or combinations thereof) in accordance with regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments).

- Documentation as specified in Form 9 of Appendix 4.

**R63 Substances in glue that are harmful to the environment**

Substances that can be classified as R50, R52, R53 (or combinations thereof) in accordance with regulations in force in any Nordic country, or in accordance with the EU classification system (18<sup>th</sup> adaptation of Directive 67/548/EEC) may be present in the adhesive in a quantity not exceeding 1.0% by weight in the case of individual substances and 2.0% by weight in total.

- Documentation as specified in Form 9 of Appendix 4.

**R64 Substances in glue that are harmful to health**

Substances that can be classified as R40, R42, R43, R45, R46, R49, R60, R61, R62, R63, R68 in accordance with the regulations in force in any Nordic country or in accordance with the EU classification system (18<sup>th</sup> adaptation of Directive 67/548/EEC) may be present in the glue in a maximum quantity of 0.1% by weight.

- Documentation as specified in Form 9 of Appendix 4.

**R65 Prohibited substances**

The following products must not be present in or added to the glue:

- alkylphenoethoxilates and other alkylphenol derivatives (substances that emit alkylphenols during degradation)
- halogenated solvents
- ethylene glycol ethers (CAS Nos. 109-86-4, 110-49-6, 110-80-5, 111-15-9, 111-77-3 and 111-90-0)
- halogenated flame retardants

Documentation as specified in Form 9 of Appendix 4.

**2.8 Fragrance substances in the end product****R66 Fragrance**

The fragrance requirements applicable to the various ingoing materials can be found in the relevant chapters.

The following requirements apply to the end product:

Fragrance must not be present in toys for children aged 0 - 3 years.

Moreover, toys must comply with the following fragrance requirements:

- Fragrances on the EU Scientific Committee's SCCNFP list of fragrances with a particular potential to trigger allergies must not be added.
- Fragrances classified as R42 and/or R43 in accordance with regulations in force in any Nordic country or in accordance with the EU classification system (18<sup>th</sup> adaptation of Directive 67/548/EEC) must not be added..
- Musk xylene, musk ketone, musk ambrette, musk tibetine, moskene and polycyclical musk compounds must not be added.

Documentation as specified in Form 10 of Appendix 4.

**3 Safety****R67 Safety requirements**

The toy must fulfil the requirements applicable to CE labelling. All relevant requirements in EN71 part 1 to 11 must be fulfilled.

Test reports from an accredited laboratory showing that the toy has been tested and approved in accordance with the relevant rules of EN71.

## 4 Packaging and information

### R68 Plastic packaging

Packaging (including labels) containing PVC must not be used.

Documentation as specified in Form 11 of Appendix 4.

### R69 Information for the customer

Instructions for use for electric toys must include the following information:

- Guidelines on what to do with used batteries.
- Recommendation that Swan-labelled batteries be used.
- The duration of the guarantee.
- Recycling systems for electric toys.

Sample of instructions for use.

## 5 Quality requirements and the requirements laid down by the authorities

To ensure that the Swan requirements are fulfilled, the following procedures must be in place.

If the manufacturer has a certified environmental management system as provided for in ISO 14 001 or EMAS, under which the following procedures are implemented, it will be sufficient for the accrediting auditor to document that the requirements have been implemented.

### R70 Working conditions

The licence holder must ensure that production of the toy (the end product) is conducted in accordance with a standard or official requirement that is based on the ILO's convention on child labour, forced labour, health and safety, freedom to organise and the right to collective bargaining, discrimination, discipline, working hours and pay.

Description of the official requirements and report/statement verifying compliance with the requirements

or

SA8000 certification (valid certificate)

or

Code of Business Practice in accordance with the ICTI's CARE Process (valid Seal of Compliance published on the ICTI website <http://www.toys-icti.org/>).

*If the manufacturer is in the process of securing SA8000 certification or a Seal of Compliance a licence may in some cases be granted subject to certain conditions.*

*The final report issued by the certification body, including an action plan with specified deadlines, must be submitted for assessment.*

The Swan licence may be revoked if the licence holder no longer fulfils the requirements applicable to SA8000, Seal of Compliance or fails to meet the deadlines specified in an action plan.

#### **R71 Statutes and regulations**

The licence holder must ensure that the applicable regulations under environmental legislation and site-specific conditions/licences are followed that all locations at which the Swan-labelled toy is produced.

- The licence holder must document compliance with the requirements and specify the regulatory authority.

#### **R72 Responsibility for the Swan Label**

One person in the company must be allocated responsibility for compliance with the Swan Label requirements. One person must act as a contact person with Nordic Ecolabelling.

- Organogram showing responsibility for the above points.

#### **R73 Documentation of the Swan Label requirements**

The licence holder must be able to present copies of the application and the basis for facts and calculations (including test reports, documents from subcontractors and the like) referenced in the documentation submitted in connection with the application.

- Checked on site.

#### **R74 The quality of the toy**

The licence holder must guarantee that the quality of the output of Swan-labelled toys will not deteriorate during the period of validity of the licence.

- Procedures for summarising and, if necessary, reporting complaints about the quality of the Swan-labelled toy.

#### **R75 Planned changes**

Planned changes that impact on the Swan requirements must be reported in writing to Nordic Ecolabelling.

- Procedures showing the way in which planned changes are handled.

#### **R76 Unforeseen deviations**

Unforeseen deviations that impact upon the Swan requirements must be reported in writing to Nordic Ecolabelling and recorded in a journal.

- Procedures showing the way in which unforeseen deviations are handled.

**R77 Traceability**

The licence holder must have procedures in place for tracing the Swan-labelled toy in the production process.

Description/procedures for complying with the requirement.

**R78 Recycling system**

The relevant national rules, statutes and/or industry-wide agreements on recycling systems for products and packaging must be fulfilled in the Nordic countries in which the Swan-labelled toy is on sale.

Statement from the applicant specifying the return scheme with which the company has an agreement on recycling/handling.

**R79 Marketing**

Marketing of the Swan-labelled toy must comply with "Rules on Nordic Ecolabelling".

Duly completed Appendix 3.

## 6 Explanations and definitions

BfR	Bundesinstitut für Risikobewertung, BfR (former BgVV) endeavours to constantly undertake topical assessments of the risks associated with foods
FDA	Food and Drug administration, FDA, is the federal agency responsible for ensuring that foods are safe
HPL panels	High pressure laminate, Laminates moulded and cured at pressures not lower than 6900 kPa (1000 psi) and more commonly in the range of 8.3 to 13.8 $10^3$ kPa (1200 to 2000 psi)
MDF panels	Medium density fibreboard, or MDF, is a composite wood product similar to particleboard. It's made out of wood waste fibres glued together with resin, heat, and pressure.
Polymer:	Organic chain molecule consisting of many (poly) repeating units. The subunits are called monomers.
Filler (in plastic):	Material used in plastics to give altered qualities. Fillers can be divided in two types: particulate (e.g. sand, quartz, clay, chalk, wood flour) and fibre (e.g. cellulose, synthetic fibre, glasfibre).
Flux (paste):	Flux is used to break down metal oxides in the material and to prevent the formation of new oxides during the subsequent heating process. The flux reduces the surface tension of the solder, increasing its flow and enhancing the bond with the material. The flux also indicates when the material is ready for soldering.

Description of risk phrases as provided for in EU classification systems 1999/45/EC and 67/548/EEC:

- R10 Flammable
- R11 Highly flammable
- R12 Extremely flammable
- R23 Toxic by inhalation
- R24 Toxic in contact with skin
- R25 Toxic if swallowed
- R26 Very toxic by inhalation
- R27 Very toxic in contact with skin
- R28 Very toxic if swallowed
- R40 Limited evidence of carcinogenic effect
- R42 May cause sensitisation by inhalation
- R43 May cause sensitisation by skin contact

R45 May cause cancer  
R46 May cause heritable genetic damage  
R49 May cause cancer by inhalation  
R60 May impair fertility  
R61 May cause harm to the unborn child  
R62 Possible risk of impaired fertility  
R63 Possible risk of harm to the unborn child  
R68 Possible risk of irreversible effects

R50 Very toxic to aquatic organisms  
R52 Harmful to aquatic organisms  
R53 May cause long-term adverse effects in the aquatic environment

**Combination phrases:**

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## **Marketing**

As a brand, the Swan Label is widely known and respected in the Nordic countries. The Swan-labelled product/service may be marketed using the Swan Label for as long as the licence is valid.

The Swan Label must be positioned in such a way that there can be no doubt about what the Label refers to and in such a way as to make clear that the toy is ecolabelled.

Further information on marketing can be found in "Rules on Nordic Ecolabelling" dated 12 December 2001 or later versions.

## The design of the Swan label

The design of the Swan Label is as follows:



123 456

Each licence is allotted a unique licence number which must be used together with the label.

Further information on the design of the label can be found in "Rules on Nordic Ecolabelling" 12 December 2001 or subsequent versions.

## Follow-up inspections

Nordic Ecolabelling may conduct checks to ensure that the toy fulfils the Swan requirements after a licence has been granted. This might for example take the form of an onsite inspection visit or random sampling.

The licence may be revoked if the toy proves not to fulfil the requirements.

Random samples may also be taken in shops and analysed by an impartial laboratory. If the requirements are not fulfilled, Nordic Ecolabelling may require the licence holder to pay the costs of analysis.

## How long will the licence remain in force?

Nordic Ecolabelling adopted the criteria for toys on DAY MONTH YEAR and they will remain in force until DAY MONTH YEAR.

The ecolabelling licence will remain in force for as long as the criteria continue to be fulfilled and while the criteria are valid. The criteria may be extended or adjusted, in which case the licence will be extended automatically and the licence holder will be notified.

No later than one year before the expiry date the licence holder will be notified of the criteria that will apply after this time. The licence holder will then be given the opportunity to renew the licence.

## **New criteria**

When the criteria are revised hobby articles may be included amongst Swan-labelled toys.

The inclusion of additional health and environmental requirements for raw material production will be considered.

The inclusion of requirements applicable to the quantity of packaging used will be considered.

## **Appendix 1**

**The following products are not eligible for a Swan Label and are not encompassed by the criteria for toys**

(Equivalent to Annex 1 to EU Directive No. 88/378/EEC) :

- Christmas decorations
- Detailed scale models
- Equipment intended to be used collectively in playgrounds
- Sports equipment
- Aquatic equipment intended to be used in deep water
- Folk dolls and decorative dolls and other similar articles for adult collectors
- "Professional" toys installed in public places (shopping centres, stations etc.)
- Puzzles with more than 500 pieces or without picture intended for specialists
- Air guns and air pistols
- Fireworks, including percussion caps \*
- Slings and catapults
- Sets of darts with metallic points
- Electric ovens, irons or other functional products operated at a nominal voltage exceeding 24 volts
- Products containing heating elements intended for use under the supervision of an adult in a teaching context
- Vehicles with combustion engines
- Toy steam engines
- Bicycles designed for sport or for travel on the public highway
- Video toys that can be connected to a video screen, operated at a nominal voltage exceeding 24 volts
- Babies' dummies
- Faithful reproductions of real fire arms
- Fashion jewellery for children
- Crystal growing sets

\* Percussion caps specifically designated for use in toys are encompassed by the regulation.

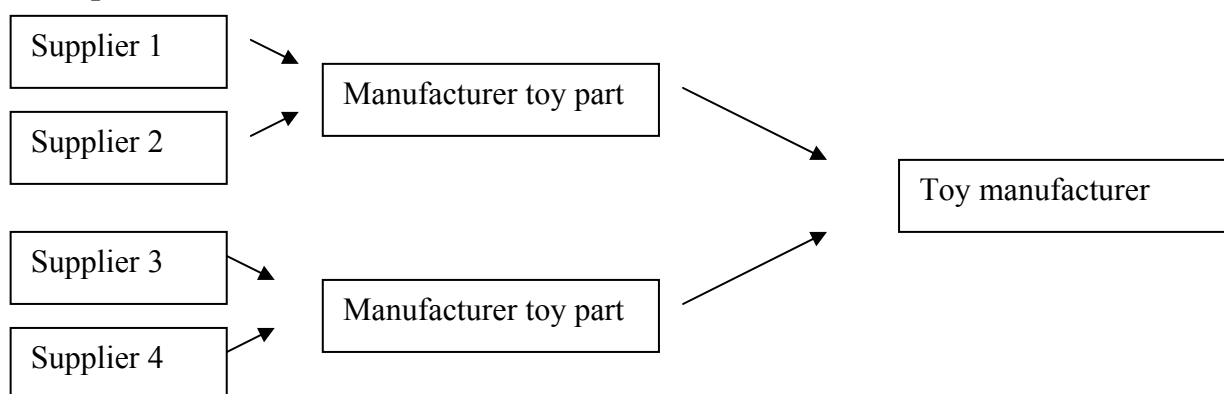
**Appendix 2**

**Form for overview of materials and production (R1)**

Manufacturer:	Contact person:
Product:	Total weight in kg:

Supplier	Toy part	Material	Weight in grams	Weight %
1.				
2.				
3.				
4.				
5.				
6.				
7				
8				
9				
10				
11				
12				

**Example of flow chart:**



### **Appendix 3**

#### **The marketing of Swan-labelled toys**

This is to certify that we are familiar with the rules governing the use of the Nordic Ecolabel, the Swan, as provided for in "Rules on Nordic Ecolabelling ". We hereby undertake that Swan-labelled toys will be marketed in accordance with these rules.

We also certify that we are familiar with the contents of the criteria for the ecolabelling of toys.

We undertake to ensure that the persons responsible for marketing the Swan-labelled toys will be supplied with information on the criteria governing the Swan-labelling of toys and "Rules on Nordic Ecolabelling of Products".

_____	_____
Place/date	Company
_____	_____
Contact person	Telephone number
_____	_____
Head of marketing	Telephone number

In the event of changes of personnel, a new confirmation must be submitted to Nordic Ecolabelling.

## **Appendix 4**

### **Forms for various materials**

**Form 1: Plastic and rubber**

**Form 2: Textiles**

**Form 3: Padding materials**

**Form 4: Wood**

**Form 5: Wood-based panels**

**Form 6: The surface treatment of wood and wood-based materials**

**Form 7: Metals**

**Form 8: Electric toys**

**Form 9: Adhesives**

**Form 10: Fragrances**

**Form 11: Packaging**

## **Form 1 – Plastic and rubber**

**Part A: To be completed by manufacturers of plastic/plastic parts or rubber parts**

**Part B: To be completed by manufacturers of plastic raw materials or crude rubber**

**Part C: To be completed by manufacturers of colourants**

**Part D: To be completed by manufacturers of fragrances**

### **Procedure:**

The toy manufacturer must send the whole of Form 1 to suppliers of plastic, plastic parts and rubber. The manufacturers of plastic/plastic parts and rubber parts must forward Form 1, Part B to manufacturers of plastic raw material and Form 1, Parts C and D, to the colourant manufacturer and fragrance manufacturer, respectively, if such additives are used.

**Form 1 – Part A**  
1 page

**Manufacturers of plastics/plastic parts or  
rubber part**

Description of plastic/plastic part or rubber part: \_\_\_\_\_

Chemical name of the material: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Is the plastic/plastic part produced using recycled plastic? Yes  No

If yes, state percentage portion of recycled material: \_\_\_\_\_

*Recycled plastic means plastic from used products or used packaging..*

Specification of the origin of the recycled plastic and a duly completed Form 1, parts B, C and D

Is the plastic/plastic part made of polyvinyl chloride (PVC)? Yes  No

*PVC may be used only in parts where for safety reasons PVC is the best alternative available (e.g. wiring)*

If yes,

State why PVC must be used for safety reasons and submit duly completed Form 1, parts B, C and D

Have colourants been added to the plastic material? Yes  No

If yes, Form 1 part C must be completed by the manufacturer of the colourant.

Has fragrance been added to the plastic material? Yes  No

If yes, Form 1 Part D must be completed by the manufacturer of the fragrance.

**Form 1, Part B: To be completed by the manufacturer of the plastic raw material or crude rubber**

Signature of manufacturer:

Date	Company name
Contact	Telephone

Chemical name of material: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

**Additives in plastic and rubber:**

Have substances classified as R40, R45, R46, R49, R60, R61, R62, R63 and/or R68, as specified in the EU's classification system been actively added to the material? Yes  No

Have substances based on lead, cadmium or mercury, or compounds thereof, been actively added to the material? Yes  No

Have organotin compounds been actively added to the material? Yes  No   
*Organotin compounds are defined as compounds in which tin is bound directly to the carbon atom.*

Have phthalates been actively added to the material? Yes  No   
*Phthalates are permitted in PVC in accordance with EN71.*

Have halogenated organic compounds been actively added to the material? Yes  No

Overview of additives by name (including CAS number if possible) and manufacturer.

**Nitrosamines in rubber:**

Does the rubber material contain more than 0.01 mg nitrosamines/kg rubber? Yes  No

Does the rubber material contain more than 0.01 mg nitrosamine-forming substances/kg rubber? Yes  No

Test report from accredited laboratory including test results as specified in NS-EN 12868 or equivalent methods.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 1 - Part C                  Manufacturers of colourants**

1 page

Product name: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

**Constituent substances:**

Does the colourant contain substances based on lead, cadmium or mercury, or compounds thereof?                  Yes  No

Does the colourant contain organotin compounds?                  Yes  No

*Organotin compounds are defined as compounds in which the tin is bound directly to the carbon atom.*

Does the colourant contain phthalates?                  Yes  No

Does the colourant contain halogenated organic compounds?                  Yes  No

Does the colourant contain aromatic solvents?                  Yes  No

*Aromatic solvents are defined as aromatic organic compounds with a boiling point of less than 250°C or a vapour pressure in excess of 0.01 kPa.*

If yes, state quantities: \_\_\_\_\_

- Product safety datasheet in accordance with EU classification system 1999/45/EC (with adaptations and amendments).
- Formula (100% of ingoing substances must be stated, ranges will be accepted) including CAS-number, if possible.

**Pigments (one of the following requirements must be fulfilled):**

Are the pigments in the colourant approved in accordance with EU guidelines on materials intended to come into contact with food?                  Yes  No

Are the pigments in the colourant approved in accordance with BfRs (Bundesinstitut für Risikobewertung) guidelines?                  Yes  No

Are the pigments in the colourant approved in accordance with FDA (Food and Drug Administration) guidelines?                  Yes  No

- Certificate or equivalent documentation that the requirements have been fulfilled.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 1 – Part D**  
**1 page**

**Manufacturers of fragrance**

Name of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Does the above product contain substances that the EU scientific committee  
SCCNFP have stated has a particular potential to trigger allergies?      Yes  No

Does the above product contain substances that are classified  
as R42 or R43 in accordance with Directive 67/548/EEC?      Yes  No

Does the above product contain musk xylene (cas no. 81-15-2),  
musk ketone (cas no. 81-14-1), musk ambrette (cas no. ),  
musk tibetine (cas no. ) moskene or polycyclical musk compounds?      Yes  No

Product safety datasheet in accordance with EU classification system 1999/45/EC  
(with adaptations and amendments).

Formula (100% of ingoing substances must be stated, ranges will be accepted)  
including CAS number, if possible.

Signature of manufacturer:

Date	Company name
Contact	Telephone

## **Form 2 – Textiles**

**Part A: To be completed by manufacturers of textiles**

**Part B: To be completed by manufacturers of chemicals and colourant manufacturers**

**Part C: To be completed by fragrance manufacturers**

### Procedure:

The toy manufacturer must send the whole of Part 2 to suppliers of textiles. The textiles manufacturers must forward Form 2, Part B to the manufacturers of ingoing chemicals (including colourants) and Form 2, Part C to fragrance manufacturers if such additives are used.

**Form 2 - Part A      Textile manufacturers**

4 pages

Name/description of material: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

**Type of textile:**

Acrylic     Polyester     Elastane     Growth fibre: \_\_\_\_\_     Wool

In the case of mixed products, state the ratio: \_\_\_\_\_

**Acrylic:**

Are traces of acrylic nitrile present in untreated fibre less than 1.5 g acrylic nitrile/kg produced fibre?

Yes  No

Test report from accredited laboratory on the basis of the following or an equivalent test method: Test reports on extraction using boiling water and quantification with capillary gas fluid chromatography

**Polyester:**

Is the content of antimony in polyester fibre less than or equal to 260 ppm?

Yes  No

Declaration that no antimony is used in the production of polyester fibre

or

Test report from an accredited laboratory on the basis of the following or an equivalent test method: Direct determination by means of atomic absorption spectroscopy. The test must be performed on raw fibre before wet treatment.

**Elastane:**

Are organotin compounds used in the production of elastane?

Yes  No

*Organotin compounds are defined as compounds in which tin is bound directly to the carbon atom.*

## Growth fibre:

### Pesticides:

Do cotton and other natural cellulose seed fibre (referred to in the following text as cotton) contain more than 0.05 ppm (if the accuracy of the method of analysis so permits) of each of the following pesticides: aldrin, captafol, chlorodane, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene, hexachlorocyclohexane (all isomers), 2,4,5-T, chlorodimeform, chlorobenzilate, dinoseb and their salts, monocrotophos, pentachlorophenol, toxaphene, methamidophos, methylparathion, parathion and phosphamidon?

Yes  No

- Evidence of organic certification or documentation that the cotton manufacturer has not utilised the substances

*The requirement will have been fulfilled if documentation can be submitted on the cotton producers that produced at least 75% of the cotton used in the final product, and moreover that these cotton producers state that the specified substances have not been used on land on which the cotton was cultivated, on the cotton plants themselves or on the cotton itself.*

or

- Test report from an accredited laboratory where the most relevant of the following test methods has been used: US EPA 8081 A (organic chloropesticides with ultrasound or Soxhlet extraction and non-polar solvents (isooctane or hexane)), 8151 A (chloronated herbicides with the use of methanol), 8141 A (organic phosphorous compounds) or 8270 C (semivolatile organic compounds).

*Exception: The requirement will have been fulfilled if more than 50% of the cotton is organically cultivated or cultivated during a transitional phase, i.e. that an independent organisation has certified that the cotton was produced in accordance with the production and inspection requirements contained in Council Regulation (EEC) No. 2092/91 of 24 June 1991 on the organic production of agricultural products and indications referring thereto on agricultural products and foodstuffs (1).*

### TOC/COD emissions (linen and other bast fibres):

Have emissions of TOC/COD in retting (with the exception of dew retting by mechanical methods) been reduced by at least 75% in relation to untreated emissions measured as TOC or COD in internal/external treatment plants or through internal measures that restrict the emissions?

Yes  No

- In the case of water retting, test report from an accredited laboratory on the basis of the following or an equivalent test method: ISO 6060 (COD).

## Wool:

### Pesticides:

Group A: Does the total content of the following substances in the wool fibre exceed 0.5 ppm: hexachlorocyclohexane (lindan), hexachlorocyclohexane, hexachlorocyclohexane, hexachlorocyclohexane, aldrin, dieldrin, endrin, p,p'-DDT and p,p'-DDD? Yes  No

Group B: Does the total content of the following substances in the wool fibre exceed 2 ppm: diazinon, propetamphos, chlorfenvinphos, dichlorfenthion, chlorpyriphos and fenclorphos? Yes  No

Group C: Does the total content of the following substances in the wool fibre exceed 0.5 ppm: cypermethrin, deltamethrin, fenvalerate, cyhalothrin og flumethrin 0,5 ppm ? Yes  No

Group D: Does the content of the following substances in the wool fibre exceed 2 ppm: diflubenzuron and triflumuron? Yes  No

The requirement will have been fulfilled if the applicant can document the wool suppliers that produced at least 75% of the wool in the final product and that these wool suppliers declare that the substances in question were not used on the ground or on animals

or

Test report from an accredited laboratory based on the following or an equivalent test method: IWTO Draft Test Method 59.

### COD emissions:

Are emissions of COD in waste water to the sewage system from scouring less than 60 g/kg of untreated wool? Yes  No

Has COD in waste water been reduced by at least 75% (annual mean value)? Yes  No

Test report from an accredited laboratory on the basis of the following or an equivalent test method: ISO 6060 (COD).

### Chemicals used in textile production

Are auxiliary chemicals used in the production of the textile? Yes  No

If yes, Form 2 Part B must be completed by the chemical manufacturer.

Overview of auxiliary chemicals used.

Are alkylphenol ethoxylates (APEO), linear alkylbenzene sulphonates (LAS), di(hydrogenated tallow dimethyl ammonium chloride (DHT),) ammonium chloride (DHTDMAC), distearyl dimethyl ammonium chloride (DSDMAC), ditallow dimethyl ammonium chloride (DTDMAC), ethylene diomine tetra acetate (EDTA) and diethylene triamine pentaacetate (DTPA) used in the production of the textile materials? Yes  No

Have colourants been added to the textile material  
(dyeing and/or printing)? Yes  No

If yes, Form 2 Part B must be completed by the colourant manufacturer.

Overview of colourants used for dyeing and/or for printing

If yes, the following colour fastness requirements must be fulfilled:

Is colour fastness to wet abrasion at least level 2 - 3? Yes  No

Is colour fastness to dry abrasion at least level 4? Yes  No

Is colour fastness to light at least level 5? Yes  No

Test report from an accredited laboratory based on the following or an equivalent test method: ISO 105 X12 and B02

Has the textile material been finished? Yes  No

If yes, Form 2, Part b must be completed by the chemical manufacturer.

Overview of chemicals used in finishing.

If yes, has plastisol-based printing been used? Yes  No

Is the content of free formaldehyde in the textile material less than 30 ppm? Yes  No

Declaration that no products containing formaldehyde have been used

or

Test report from an accredited laboratory based on the following or an equivalent test method: EN ISO 14184-1.

Has fragrance been added to the textile material? Yes  No

If yes, Form 2 Part C must be completed by the fragrance manufacturer.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 2 – Part B**  
**2 pages**  
**materials**

**Manufacturer of auxiliary chemicals,  
colourant or chemicals for finishing textile**

Name: \_\_\_\_\_

Type of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

**General:**

Does the product contain alkyl phenol ethoxylates (APEO), linear alkyl benzene sulphonates (LAS), di(hydrogenated tallow dimethyl ammonium chloride (DHT),) ammonium chloride (DHTDMAC), distearyl dimethyl ammonium chloride (DSDMAC), ditallow dimethyl ammonium chloride (DTDMAC), ethylene diomine tetra acetate (EDTA) and diethylene triamine pentaacetate (DTPA)

Yes  No

**Colourants:**

**Impurities:**

Is the concentration of impurities (ionic form) in dyestuffs less than the following values?

Ag 100ppm, As 50ppm, Ba 100ppm, Cd 20ppm, Co 500ppm, Cr 100ppm, Cu 250ppm, Fe 2500ppm, Hg 4ppm, Mn 1000ppm, Ni 200ppm, Pb 100 ppm, Se 20ppm, Sb 50 ppm, Sn 250 ppm, Zn 1500 ppm

Yes  No

*An exemption applies to metals that form an integral part of the dyestuff molecule (e.g. metal complex dyestuffs and certain reactive dyestuffs) when assessing whether these values have been fulfilled (impurities in the dyestuff).*

**Metal complex dyestuffs:**

Is the product based on copper, chromium or nickel?

Yes  No

**Azo dyestuffs:**

Can the product shed the following aromatic amines?

4-aminodiphenyl (92-67-1), Benzidin (92-87-5), 4-chlor-o-toluidin (95-69-2), 2-naphthylamin (91-59-8), o-amino-azotoluen (97-56-3), 2-amino-4-nitrotoluen (99-55-8), p-chloranilin (106-47-8), 2,4-diaminoanisol (615-05-4), 4,4'-diaminodiphenylmethan (101-77-9), 3,3'-dichlorbenzidin (91-94-1), 3,3'-dimethoxybenzidin (119-90-4), 3,3'-dimethylbenzidin (119-93-7), 3,3'-dimethyl-4,4'-diaminodiphenylmethan (838-88-0), p-cresidin (120-71-8), 4,4'-methylen-bis-(2-chloranilin) (101-14-4), 4,4'-oxydianilin (101-80-4), 4,4'-thiodianilin (139-65-1), o-toluidin (95-53-4), 2,4-diaminotoluen (95-80-7), 2,4,5-trimethylanilin (137-17-7), 4-aminoazobenzen (60-09-3), o-anisidin (90-04-0)

Yes  No

## Dyestuffs that are carcinogenic, mutagenic or toxic for reproduction

Does the product contain the following pigments?

C.I. Basic Red 9, C.I. Disperse Blue 1, C.I. Acid Red 26, C.I. Basic Violet 14 C.I. Disperse Orange 11, C. I. Direct Black 38, C. I. Direct Blue 6, C. I. Direct Red 28, C. I. Disperse Yellow 3  
Yes  No

Do the dyestuff or mixtures contain substances that have been or may be allotted one or more of the risk phrases (or combinations thereof): R40, R45, R46, R49, R60, R61, R62, R63 and/or R68 in accordance with regulations in force in any Nordic country or in accordance with the EU classification system (18th adaptation of Directive 67/548/EEC)?

Yes  No

If yes, state quantities: \_\_\_\_\_

## Printing

Does the printing paste contain more than 5% by weight of organic solvents?

Yes  No

*Organic solvents are defined as organic compounds with a boiling point of less than 250°C at 1 atm pressure or a vapour pressure of over 0.01 kPa at 293.12 K.*

Does the concentration of impurities (ionic form) in pigments exceed the following values?

As 50 ppm, Ba 100 ppm, Cd 50 ppm, Cr 100 ppm, Hg 25 ppm, Pb 100 ppm, Se 100 ppm, Sb 250 ppm, Zn 1000 ppm.  
Yes  No

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 2 - Part C**  
**1 page**

**Manufacturers of fragrance**

Product name: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Does the above product contain substances that the EU scientific committee SCCNFP has stated has particular potential for triggering allergies? Yes  No

Does the above product contain substances that are classified as R42 or R43 in accordance with Directive 67/548/EEG? Yes  No

Does the above product contain musk xylene (cas no. 81-15-2), musk ketone (cas no. 81-14-1), musk ambrette (cas no. ), musk tibetine (cas no.), moskene or polycyclical musk compounds? Yes  No

- Product safety datasheet in accordance with the EU classification system 1999/45/EC (with adaptations and amendments).
- Formula (100% of ingoing substances must be specified, ranges will be accepted) including CAS-numbers if possible.

Signature of manufacturer:

Date	Company name
Contact	Telephone

### **Form 3 – Padding materials**

**Part A: To be completed by manufacturers of padding materials**

**Part B: To be completed by manufacturers of colourants**

**Part C: To be completed by manufacturers of fragrances**

#### **Procedure:**

The toy manufacturer must send the whole of Form 3 to suppliers of padding materials. The manufacturer of padding materials must then send Form 2 Part B to manufacturers of colourants and Form 2 Part C to fragrance manufacturers, if such additives have been used.

**Form 3 - Part A      Manufacturer of padding material**

1 page

Name/description of material: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

In the case of mixed products, state ratio of mixture: \_\_\_\_\_

**Polyester:**

Is the content of antimony in the polyester fibre less than or equal to 260 ppm?      Yes  No

Declaration stating that antimony is not used in the production of polyester fibre  
or

Test report from an accredited laboratory on the basis of the following or an equivalent test method: Direct determination by means of atomic absorption spectroscopy. The test must be performed on raw fibre before wet treatment.

Is a blowing agent used in the production of the padding material?      Yes  No

If yes, state name (including auxiliary blowing agent): \_\_\_\_\_

Is the content of free formaldehyde in the padding material less than 30 ppm?      Yes  No

Declaration stating that no products containing formaldehyde are used  
or

Test report from an accredited laboratory on the basis of the following or an equivalent test method: EN ISO 14184-1.

Has colour been added to the padding material?      Yes  No

If yes, Form 2 Part B must be completed by the colourant manufacturer.

Overview of colourants used for dyeing.

Has fragrance been added to the textile materials?      Yes  No

If yes, Form 2 Part C must be completed by the fragrance manufacturer.

Signature of the manufacturer:

Date	Company name
Contact	Telephone

2 pages

Name: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

**Impurities:**

Is the concentration of impurities (ionic form) in dyestuffs less than the following values?

Ag 100ppm, As 50ppm, Ba 100ppm, Cd 20ppm, Co 500ppm, Cr 100ppm, Cu 250ppm, Fe 2500ppm, Hg 4ppm, Mn 1000ppm, Ni 200ppm, Pb 100 ppm, Se 20ppm, Sb 50 ppm, Sn 250 ppm, Zn 1500 ppm

Yes  No 

*An exemption applies to metals that form an integral part of the dyestuff molecule (e.g. metal complex dyestuffs and certain reactive dyestuffs) when assessing whether these values have been fulfilled (impurities in the dyestuff).*

**Metal complex dyestuffs:**

Is the product based on copper, chromium or nickel?

Yes  No **Azo dyestuffs:**

Can the product shed the following aromatic amines?

4-aminodiphenyl (92-67-1), Benzidin (92-87-5), 4-chlor-o-toluidin (95-69-2), 2-naphthylamin (91-59-8), o-amino-azotoluen (97-56-3), 2-amino-4-nitrotoluen (99-55-8), p-chloranilin (106-47-8), 2,4-diaminoanisol (615-05-4), 4,4'-diaminodiphenylmethan (101-77-9), 3,3'-dichlorbenzidin (91-94-1), 3,3'-dimethoxybenzidin (119-90-4), 3,3'-dimethylbenzidin (119-93-7), 3,3'-dimethyl-4,4'-diaminodiphenylmethan (838-88-0), p-cresidin (120-71-8), 4,4'-methylen-bis-(2-chloranilin) (101-14-4), 4,4'-oxydianilin (101-80-4), 4,4'-thiodianilin (139-65-1), o-toluidin (95-53-4), 2,4-diaminotoluen (95-80-7), 2,4,5-trimethylanilin (137-17-7), 4-aminoazobenzen (60-09-3), o-anisidin (90-04-0)

Yes  No **Dyestuffs that are carcinogenic, mutagenic or toxic for reproduction**

Does the product contain the following pigments?

C.I. Basic Red 9, C.I. Disperse Blue 1, C.I. Acid Red 26, C.I. Basic Violet 14 C.I. Disperse Orange 11, C. I. Direct Black 38, C. I. Direct Blue 6, C. I. Direct Red 28, C. I. Disperse Yellow 3

Yes  No

Do the dyestuff or mixtures contain substances that have been or may be allotted one or more of the risk phrases (or combinations thereof): R40, R45, R46, R49, R60, R61, R62, R63 and/or R68 in accordance with regulations in force in any Nordic country or in accordance with the EU classification system (18th adaptation of Directive 67/548/EEC)?

Yes  No

If yes, state quantities: \_\_\_\_\_

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 3 – Part C**  
**1 page**

**Manufacturer of fragrance**

Product name: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Does the above product contain substances that the EU scientific committee SCCNFP has stated has particular potential for triggering allergies? Yes  No

Does the above product contain substances that are classified as R42 or R43 in accordance with Directive 67/548/EEG? Yes  No

Does the above product contain musk xylene (cas no. 81-15-2), musk ketone (cas no. 81-14-1), musk ambrette (cas no. ), musk tibetine (cas no.), moskene or polycyclical musk compounds? Yes  No

- Product safety datasheet in accordance with the EU classification system 1999/45/EC (with adaptations and amendments).
- Formula (100% of ingoing substances must be specified, ranges will be accepted) including CAS-numbers if possible.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 4 – Wood**

**Part A: To be completed by manufacturers/suppliers of wood raw material**

**Part B: To be completed by manufacturers of chemicals used for impregnating/treating or modifying the wood**



## **Forestry certification requirements**

Wood used in the product must be certified by a third party in accordance with a current forestry standard that fulfils the standard and certification system requirements.

The following requirements apply to standards and certification systems acceptable to Nordic Ecolabelling.

### **Standards**

- 1) The standard must balance, economic, ecological and social interests and be in compliance with the UN's Rio Document, Agenda 21 and the Forestry Principles, and respect relevant international conventions and agreements.
- 2) The standard must contain absolute requirements and promote and be directed at sustainable forestry.
- 3) The standard must be generally available. The standard must have been developed in an open process in which ecological, economic and social interest groups were invited to participate.

### **Certification systems**

The certification system must be transparent, enjoy broad national and international credibility and be capable of verifying fulfilment of the requirements of the forestry standard (see above).

### **The certification body**

The certification body must be impartial, credible and able to verify that the requirements of the standard have been fulfilled, able to communicate the results and be fitted to securing the efficient implementation of the standard.

### **Documentation**

- Copy of the forestry standard, name, address and telephone number of the organisation that formulated the standard and the final report of the certification body.
- References must be provided to persons representing parties and interest groups that were invited to participate in the development of the forestry standard.
- The ecolabelling organisation reserves the right to require the submission of further documentation in order to assess whether the standard and certification system requirements have been fulfilled.

Product name: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Is the product classified as R40, R42, R45, R46, R49, R60 - R63, R68, R23-R28, R50, R52 and/or R53 (or combinations thereof) in accordance with the regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments?)

Yes  No

Product safety data sheet in accordance with EU classification system 1999/45/EC (with adaptations and amendments).

Have halogenated organic compounds been added to the product? Yes  No

Have phthalates been added to the product? Yes  No

Have aziridine and polyaziridines been added to the product Yes  No

Has creosote been added to the product? Yes  No

Have active ingredients, pigments or additives based on arsenic, lead, boron, tin, cadmium, copper, chromium VI or mercury been added to the product? Yes  No

Does the product contain organic solvents? Yes  No

*Organic solvents are defined as organic compounds with a boiling point of less than 250°C at 1 atm pressure or a vapour pressure of over 0.01 kPa at 293.12 K.*

If yes, state quantities: \_\_\_\_\_

Of which aromatic solvents: \_\_\_\_\_

*Exception: Solvents that polymerise in the wood may be used if the degree of polymerisation is at least 95 %.*

Test report from an accredited laboratory documenting the degree of polymerisation.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 5 – Wood-based materials**

**Part A: To be completed by manufacturers of wood-based materials.**

**Part B: Formaldehyde, to be completed by manufacturers of wood-based materials.**

**Part C: To be completed by manufacturers of chemicals.**

**Form 5 – Part A****Suppliers of wood-based materials**

2 pages

Type of product: \_\_\_\_\_

Manufacturer/supplier: \_\_\_\_\_

**The traceability of wood raw materials**

Type of wood (Latin name and English name)	Geographical origin (country, province)	Certification (see documentation requirements on the next page)	Supplier (see documentation requirements on the next page)



Does the product contain sawdust/wood shavings and/or offcuts from sawmills and/or untreated wood from demolished structures and/or recycled fibre?

Yes  No 

Overview of proportion and supplier of sawdust/wood shavings and/or offcuts from sawmills and/or untreated wood from demolished structures and/or recycled fibre

**Chemicals used in production:**

Does the product contain formaldehyde-based additives Yes  No

If yes, complete Form 5, Part B

In the case of other chemicals, Form 5 Part C must be completed by the chemical manufacturer.



Overview of chemicals used, including name, manufacturer and quantity (g/kg panel material)

**Surface treatment:**

Does the product undergo surface treatment Yes  No

If yes, send Form 6 Part A to the chemical supplier, and, if applicable, to the producer that performs surface treatment.



Overview of chemicals used for the surface treatment of the wood.

Signature of manufacturer:

Date	Company name
Contact	Telephone

## **Forestry certification requirements**

Wood used in the product must be certified by a third party in accordance with a current forestry standard that fulfils the standard and certification system requirements.

The following requirements apply to standards and certification systems acceptable to Nordic Ecolabelling.

### **Standards**

- 4) The standard must balance, economic, ecological and social interests and be in compliance with the UN's Rio Document, Agenda 21 and the Forestry Principles, and respect relevant international conventions and agreements.
- 5) The standard must contain absolute requirements and promote and be directed at sustainable forestry.
- 6) The standard must be generally available. The standard must have been developed in an open process in which ecological, economic and social interest groups were invited to participate.

### **Certification systems**

The certification system must be transparent, enjoy broad national and international credibility and be capable of verifying fulfilment of the requirements of the forestry standard (see above).

### **The certification body**

The certification body must be impartial, credible and able to verify that the requirements of the standard have been fulfilled, able to communicate the results and be fitted to securing the efficient implementation of the standard.

### **Documentation**

- Copy of the forestry standard, name, address and telephone number of the organisation that formulated the standard and the final report of the certification body.
- References must be provided to persons representing parties and interest groups that were invited to participate in the development of the forestry standard.
- The ecolabelling organisation reserves the right to require the submission of further documentation in order to assess whether the standard and certification system requirements have been fulfilled.

**Formaldehyde****Panels containing formaldehyde-based additives must fulfil one of the following two requirements:**

The content of free formaldehyde must not exceed the following threshold values as determined using the applicable version of EN-120, the Perforator Method:

In the case of individual values:  $\leq 8$  mg formaldehyde/100 g dry substance.

In the case of the six-monthly mean value:  $\leq 6.5$  mg formaldehyde/100 g dry substance.

The requirements apply to panels made of wood with a moisture content of  $H = 6.5\%$ .

If the panels have a different moisture content within the range 3 – 10 %, the analysed perforator value must be multiplied by a factor,  $F$ , derived from the formula:

For particle board:  $F = 0.133H + 1.86$

For MDF:  $F = -0.21H + 1.78$

Emissions of formaldehyde must not exceed 0.13 mg formaldehyde/m<sup>3</sup> air during testing using the measurement methods specified in Appendix Y1.

**Alternative for plywood:**

As an alternative, the plywood panel may fulfil the requirements provided for in the Finnish classification system “Emission Classification of Building Materials”.

Emission:  $\leq 0.125$  mg formaldehyde/m<sup>2</sup>h

This requirement is identical to the Swedish and Danish special scheme specified in EN 120 and is stricter than the general formulations that apply in the other countries, e.g. Norway and Finland.

- Sampling programme, including measurement methods, measurement results and measurement frequency, See Appendix Y1. For working up and analysis methods, see Appendix Y1.
- If alternative 2 is chosen, documentation must be provided on how the use of regular quality control procedures enables the prevention of panels with an excessively high formaldehyde content from being used before the analysis results are ready.
- As an alternative, the following documentation may be used.
- In the case of products approved under the Danish or Norwegian indoor climate label: copy of a valid licence/certificate.
- In the case of products approved under the Finnish classification system
- “Emission Classification of Building Materials”, Class M1: copy of valid licence/certificate.
- In the case of products approved under Dansk Pladekontrol Class E1: copy of valid licence/certificate.
- In the case of products approved under the P-märkningen scheme in Sweden: copy of licence/certificate.

**Form 5 – Part C****Manufacturers of chemicals**

1 page

Product name: \_\_\_\_\_

Type of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Is the product classified as R40, R42, R45, R46, R49, R60 - R63, R68, R23-R28, R50, R52 and/or R53 (or combinations thereof) in accordance with the regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments)?

Yes  No 

Product safety data sheet in accordance with EU classification system 1999/45/EC (with adaptations and amendments).

Does the product contain free formaldehyde Yes  No 

If yes, state quantities: \_\_\_\_\_

Does the product contain substances that are classified as R50, R52 or R53 (or combinations thereof)? Yes  No 

If yes, state name of substance (including CAS number if possible) and quantities:

Have halogenated organic binding agents been added to the product? Yes  No Have halogenated organic flame retardants been added to the products? Yes  No Have polychlorinated biphenyls been added to the product? Yes  No Have alkyl phenols been added to the product? Yes  No Have phthalates been added to the product? Yes  No Have aziridines and polyaziridines been added to the product? Yes  No Have pigments and/or additives based on lead, tin, cadmium, chromiumVI and mercury and their compounds been added to the product? Yes  No Does the content of alkylphenol ethoxylates or other alkylphenol derivates in the chemical product exceed 0.6 % by weight? Yes  No *Alkylphenol derivates are defined as substances that shed alkylphenols during degradation.*Does the product contain organic solvents? Yes  No *Organic solvents are defined as organic compounds with a boiling point of less than 250°C at 1 atm pressure or a vapour pressure of over 0.01 kPa at 293.,12 K.*

If yes, state quantities: \_\_\_\_\_

Of which aromatic solvents: \_\_\_\_\_

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 6 – Surface treatment of wood and wood-based materials**

**To be completed by manufacturers of chemicals used in surface treatment and, if applicable, by contractors that perform surface treatment services.**

## Form 6 Chemical manufacturer

2 pages

Product name: \_\_\_\_\_

Type of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Is the product classified as R40, R42, R45, R46, R49, R60 - R63, R68, R23-R28, R50, R52 and/or R53 (or combinations thereof) in accordance with the regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments)?

Yes  No

Product safety data sheet in accordance with EU classification system 1999/45/EC (with adaptations and amendments).

Does the product contain formaldehyde? Yes  No

If yes, state quantities: \_\_\_\_\_

Test report from accredited laboratory with test result

Have halogenated organic binding agents been added to the product? Yes  No

Have halogenated organic flame retardants been added to the products? Yes  No

Have polychlorinated biphenyls been added to the product? Yes  No

Have alkyl phenols been added to the product? Yes  No

Have phthalates been added to the product? Yes  No

Have aziridines and polyaziridines been added to the product? Yes  No

Have pigments and/or additives based on lead, tin, cadmium, chromiumVI and mercury and their compounds been added to the product? Yes  No

Does the content of alkylphenol ethoxylates or other alkylphenol derivates in the chemical product exceed 0.6 % by weight? Yes  No

*Alkylphenol derivates are defined as substances that shed alkylphenols during degradation.*

Does the product contain organic solvents? Yes  No

*Organic solvents are defined as organic compounds with a boiling point of less than 250°C at 1 atm pressure or a vapour pressure of over 0.01 kPa at 293.,12 K.*

If yes, state quantities: \_\_\_\_\_

Of which aromatic solvents: \_\_\_\_\_

If the product contains more than 5% by weight of aromatic solvents, the following alternative requirements may be fulfilled:

Is the TVOC (Total Volatile Organic Compounds) of the toy less than 1200 $\mu\text{g}/\text{m}^2$  of air?

Yes  No

Test report from an accredited test laboratory stating TVOC results from a chamber test (min 24 hours) and analysis with the aid of GC/MS.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 7 - Metals**

**Part A: Coatings**

**Part B: Surface treatment**

## Form 7 – Part A Coatings for metals

1 page

Name/description of product: \_\_\_\_\_

Manufacturer/importer: \_\_\_\_\_

Has the metal part been treated with halogenated organic compounds (e.g. during degreasing)? Yes  No

Is the metal part coated with cadmium, chromium, nickel or their compounds? Yes  No

*In exceptional cases metal surfaces may be treated with chromium or nickel where this is necessary because of heavy physical wear and tear and where parts need to have a particularly tight fit. Emissions from surface treatment with nickel or chromium must not exceed the following values:*

*Chromium, total: 0.1 mg/l  
Chromium (VI): 0.02 mg/l  
Nickel: 0.1 mg/l*

- Test report from an accredited laboratory in accordance with the following or equivalent test methods:
- ISO 9174 for Ni, prEN 1233 for Cr, Standard Methods 3500-Cr D (3) ICP-MS (3), EN ISO 5667-3 2004 or HPLC ICP-MS for Cr (VI).
- Sampling frequency: Emission to water are calculated as the annual mean value and based on at least one representative day sample per week.
- Sampling: Samples of process water must be taken after external treatment and the analyses must be performed on an unfiltered sample. As an alternative the sampling frequency specified by the authorities.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 7 – Part B      Surface treatment of metals**

1 page

Product name: \_\_\_\_\_

Type of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Is the product classified as R40, R42, R45, R46, R49, R60 - R63, R68, R23-R28, R50, R52 and/or R53 (or combinations thereof) in accordance with regulations on the classification and labelling of hazardous chemicals in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments)?      Yes  No

Product safety data sheet in accordance with EU classification system 1999/45/EC with adaptatiaons and amendments).

Have halogenated organic compounds been added to the product?      Yes  No

Have phthalates been added to the product?      Yes  No

Have aziridin and polyaziridins been added to the product?      Yes  No

Have pigments and/or additives based on lead, tin, cadmium, chromium VI and mercury and their compounds been added to the product?      Yes  No

Does the product contain organic solvents?      Yes  No

*Organic solvents are defined as organic compounds with a boiling point of less than 250°C at 1 atm pressure or a vapour pressure of over 0.01 kPa at 293.12 K.*

If yes, state quantities: \_\_\_\_\_

Of which aromatic solvents: \_\_\_\_\_

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 8 – Electric toys**

**Part A: To be completed by the manufacturer of the electric toy**

**Part B: To be completed by manufacturers of circuit boards/micro processors and motors**

**Part C: To be completed by manufacturers of light sources**

**Part D: To be completed by manufacturers of push/rocker switches**

**Form 8 Part A: Manufacturer of electric toy**

1 page

Description of product: \_\_\_\_\_

Does the product fulfil the RoHS-directive? Yes  No

Confirmation that the product fulfils the RoHS-directive (EU Directive 2002/95/EC, Restriction of use of certain hazardous substances)

Does the product contain circuit boards, micro processors or motors? Yes  No

If yes, send Form 8, Part B to the manufacturer.

Does the product contain light sources? Yes  No

If yes, send Form 8, Part C to the manufacturer of the light sources.

Does the product contain push/rocker switches? Yes  No

If yes, send Form 8, Part D to the manufacturer of push/rocker switches.

Are batteries provided with the product? Yes  No

If yes, state licence number: \_\_\_\_\_

*If the batteries are not Swan-labelled, documentation as specified in a valid criteria document or the Swan-labelling of batteries must be submitted for assessment.*

If yes, can the batteries be replaced? Yes  No

Signature of manufacturer:

Date	Company name
Contact	Telephone

Type of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Do the materials (plastic and metal) contain flux,  
lead, mercury, cadmium or chromium (VI)?

Yes  No

Confirmation of compliance of the RoHS-directive (EU-Directive 2002/95/EC,  
Restriction of use of certain hazardous substances)

Are chemicals containing the following substances  
(regulated by the Montreal Protocol) used in the end production  
of machines or the production of circuit boards: CFC, HCFC,  
1.1.1-trichloroethane or carbon tetrachloride?

Yes  No

Attach a list of chemicals used.

Have halogenated flame retardants been added to  
circuit boards, microprocessors and/or motors?

Yes  No

Attach list of flame retardants, if any.

Does varnish used in surface treatment contain  
halogenated flame retardants?

Yes  No

Attach list of any flame retardants used in the varnish.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 8 Part C: Manufacturer of light sources**

1 page

Name of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

List of chemical products (name and manufacturer) used in the production of light emitting diodes:

_____	_____
_____	_____
_____	_____

Are any of the chemical products listed above classified as carcinogenic R23-R28, R40, R45, R46, R49, R60, R61, R62, R63 in accordance with regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments)?

Yes  No

Product safety data sheets in accordance EU classification system 1999/45/EC (with adaptations and amendments).

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 8 Part D: Manufacturer of push/rocker switches**

1 page

Name of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Does the push/rocker switch contain mercury? Yes  No

Describe the system/technology used in the push/rocker switch

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 9 Adhesives**  
**1 page**

Name of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Is the product classified as R10, R11, R12, R23, R24, R25, R26, R27, R28, R40, R42, R43, R45, R49, R50, R52, R53 (or combinations thereof) in accordance with regulations on the classification and labelling of hazardous chemicals in force in any Nordic country and/or EU classification system 1999/45/EC (with adaptations and amendments)? Yes  No

Product safety data sheet in accordance with EU classification system 1999/45/EC (with adaptations and amendments).

Does the product contain substances that may be classified as R50, R52, R53 (or combinations thereof) in accordance with the regulations in force in any Nordic country or in accordance with the EU classification system (18th adaptation of Directive 67/548/EEC)? Yes  No

If yes, state name (and CAS no. if possible) and quantities: \_\_\_\_\_

Does the product contain substances that may be classified as R40, R42, R43, R45, R46, R49, R60, R61, R62, R63, R68 (or combinations thereof) in accordance with the regulations in force in any Nordic country or in accordance with the EU classification system (18th adaptation of Directive 67/548/EEC)? Yes  No

If yes, state name (and CAS no. if possible) and quantities: \_\_\_\_\_

Does the product contain or has the product been augmented with alkylphenol ethoxylates or other alkylphenol derivatives? Yes  No

*Substances that emit alkylphenols during degradation*

Does the product contain or has the product been augmented with halogenated solvents? Yes  No

Does the product contain or has the product been augmented with ethyleneglycole esters (CAS no. 109-86-4, 110-49-6, 110-80-5, 111-15-9, 111-77-3 and 111-90-0)? Yes  No

Does the product contain or has the product been augmented with halogenated flame retardants? Yes  No

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 10 Fragrance**  
**1 page**

Name of product: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Does the above product contain substances that according to the EU scientific committee SCCNFP have a particular potential for triggering allergies? Yes  No

Does the above product contain substances classified as R42 or R43 in accordance with Directive 67/548/EEC? Yes  No

Does the above product contain musk xylene (cas no. 81-15-2), musk ketone (cas no. 81-14-1), musk ambrette (cas no. ), musk tibetine (cas no. ) moskene or polycyclical musk compounds? Yes  No

- Product safety data sheet in accordance with EU classification system 1999/45/EC (with adaptations and amendments)
- Formula (100% of ingoing substances must be stated, ranges will be accepted) including CAS number if possible.

Signature of manufacturer:

Date	Company name
Contact	Telephone

**Form 11 Packaging and customer information**

1 page

Product name: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Is PVC used as packaging or in labels? Yes  No

Overview of packaging and labels used:

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For electrical toys:

Copy of instructions for use.

Signature of manufacturer:

Date	Company name
Contact	Telephone