

**Form 4b Declaration – Adhesive**

Form for requirements O13, O14, O15 and O17.

Adhesive's name and area of use: \_\_\_\_\_

Name of manufacturer of the chemical product: \_\_\_\_\_

These requirements apply to all ingoing substances in the chemical product, but not to impurities unless otherwise stated in the specific requirement. Ingoing substances and impurities are defined below.

**Ingoing substances:** all substances in the chemical product, including additives (e.g. preservatives and stabilisers) in the raw materials. Substances known to be released from ingoing substances (e.g. formaldehyde, arylamine, in situ-generated preservatives) are also regarded as ingoing substances.

**Impurities:** residuals, pollutants, contaminants etc. from production, incl. production of raw materials that remain in the raw material/ingredient and/or in the chemical product in concentrations less than 100 ppm (0,0100 w-%, 100 mg/kg). Examples of impurities are residues of the following: residues or reagents incl. residues of monomers, catalysts, by-products, scavengers, and detergents for production equipment and carry-over from other or previous production lines.

**O13 Chemical products, classification**

Is the adhesive classified in accordance with the table below?  Yes  No

**Table S4: Classification of chemical products**

Classification under CLP Regulation (EC) No 1272/2008		
Hazard class	Category	Hazard code
Hazardous to the aquatic environment	Aquatic Acute 1	H400
	Aquatic Chronic 1-4	H410, H411, H412
Acute toxicity	Acute Tox. 1, 2	H330, H310, H300
	Acute Tox. 3	H331, H301, H311
Specific target organ toxicity	STOT SE 1	H370
	STOT RE 1	H372
Allergenic	Resp. Sens. 1 or	H334
	Skin Sens 1	H317
Carcinogenic	Carc. 1A/1B	H350
	Carc. 2	H351
Germ cell mutagenicity	Muta. 1A/B	H340
	Muta. 2	H341
Reproductive toxicity	Repr. 1A/1B	H360, H361
	Repr. 2	H362

## O14 Classification of ingoing substances

Does the chemical product contain substances that have a classification as listed in the table below?<sup>1</sup>  Yes  No

**Table S5: Classification of CMR substances**

Classification under CLP Regulation (EC) No 1272/2008		
Hazard class	Category	Hazard code
Carcinogenic	Carc. 1A/1B Carc. 2	H350 H351
Germ cell mutagenicity	Muta. 1A/B Muta. 2	H340 H341
Reproductive toxicity	Repr. 1A/1B Repr. 2	H360, H361 H362

## O15 Chemical substances – prohibition list

Are any of the following ingoing substances in the adhesive?

- Substances on the Candidate List\*  Yes  No
- Substances that have been judged in the EU to be PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative)\*\*  Yes  No
- Substances considered to be potential endocrine disruptors in category 1 or 2 on the EU's priority list of substances that are to be investigated further for endocrine disruptive effects\*\*\*  Yes  No
- Phthalates\*\*\*\*  Yes  No
- APEO – alkylphenol ethoxylates and alkylphenol derivatives (substances that release alkylphenols on degradation)  Yes  No
- BHT - butylhydroxytoluene  Yes  No

*There is an exemption for BHT up to 2 ppm in water-repelling coatings used on articles made from board. Please note that a plastic layer on the product is not considered a coating. The exemption expires if the substance fulfils one of the following during the validity of the criteria:*

- The substance is included on the EU Candidate list\* or List 1 on the website [www.edlist.org](http://www.edlist.org).
- ECHA Endocrine Disruptor Expert Group assesses the substance and considers it an endocrine disruptor <http://echa.europa.eu/sv/ed-assessment>
- The substance is included on List 3 on the website [www.edlist.org](http://www.edlist.org)

- Bisfenol A, F og S  Yes  No
- Halogenated organic compounds  Yes  No
- Antibacterial agents (e.g. nanosilver)\*\*\*\*\*  Yes  No

\* *The Candidate List can be found on the ECHA website: <http://echa.europa.eu/candidate-list-table>*

\*\* *PBT and vPvB in accordance with the criteria in Annex XIII of REACH*

\*\*\* *Substances considered to be potential endocrine disruptors in category 1 or 2, see following link:  
[http://ec.europa.eu/environment/chemicals/endocrine/strategy/being\\_en.htm](http://ec.europa.eu/environment/chemicals/endocrine/strategy/being_en.htm)*

\*\*\*\* *The prohibition does not include polyethylene terephthalate (PET).*

\*\*\*\*\* *An antibacterial agent is a chemical/product that inhibits or stops growth of microorganisms such as bacteria, fungi or protozoa (single-celled organisms). The requirement does not apply to preservatives used to preserve the chemical product, so-called in-can preservatives.*

<sup>1</sup> *An exception is made for formaldehyde in newly produced polymer, see O17 below.*

### **O17 Adhesive – content of chemical substances**

Does the adhesive contain ethylene glycol ethers?  Yes  No

Does the adhesive contain rosin?  Yes  No

Is the level of formaldehyde generated during the production process no more than 250 ppm (0.025% by weight), measured in newly produced polymer dispersion\*?  Yes  No

Is the content of free formaldehyde in hardened adhesive no more than 10 ppm (0.010% by weight)\*\*?  Yes  No

\* *Measured using the VdL-RL 03 method "In-can concentration of formaldehyde determined by the acetyl-acetone method" or the Merckoquant method (see Appendix X of RAL-UZ 102), or some other equivalent method.*

\*\* *Measured using the Merckoquant method (see Appendix X of RAL-UZ 102), or some other equivalent method.*

Attach test report for formaldehyde.

Attach safety data sheet for the adhesive.

In the event of any changes to the composition of the chemical product, a new declaration of compliance with the requirements must be submitted to Nordic Ecolabelling.

Place and date:	Adhesive manufacturer's name:
Responsible person:	Signature of responsible person: