

## Appendix 3 Declaration from manufacturer/supplier of toner powder or ink

To be used in conjunction with an application for a licence for the Nordic Swan Ecolabel of Refurbished OEM Toner and Ink Cartridges.

This declaration is based on the knowledge we have at the time of the application, based on tests and/or declarations from raw material manufacturers, with reservations for new advances and new knowledge. Should such new knowledge arise, the undersigned is obliged to submit an updated declaration to Nordic Ecolabelling.

<b>Manufacturer/supplier:</b>
<b>Trade name of the toner powder or ink:</b>

The requirements in the criteria document and accompanying appendices apply to all ingoing substances in the toner powder or ink. Impurities are not regarded as ingoing substances and are exempt from the requirements. Ingoing substances and impurities are defined as below, unless stated otherwise in the requirements.

Ingoing substances and impurities are defined as:

- All substances\* in the toner powder or ink regardless of amount, including additives (e.g., preservatives and stabilizers) in the raw materials. Substances released from ingoing substances (e.g., biocidal active substances generated by preservatives, such as formaldehyde) are also regarded as ingoing substances.

*\* N.B. the difference from the definition of substances in the REACH Regulation (EC) No 1907/2006. Whereas a REACH substance encompasses a chemical element or compound as well as its stabilising additives and process impurities, a substance here refers to each of the constituents separately. The constituents of a UVCB substance (Unknown or Variable composition, Complex reaction products or of biological materials) are also regarded separately, and all known constituents must be regarded.*

- Impurities: Trace levels of pollutants, contaminants and residues from production, incl. production of raw materials, that remain in the toner powder or ink in concentrations  $\leq 100$  ppm ( $\leq 0.0100$  w%). For formaldehyde other than as a biocidal active substance and for arylamine, the corresponding concentration is  $\leq 25$  ppm ( $\leq 0.0025$  w%).

Examples of impurities: Background environmental pollutants from feedstock, as well as contaminants and residues from production such as reactants (incl. monomers),

reagents, catalysts, by-products, scavengers, detergents for production equipment, carry-over from other or previous production lines.

Impurities in the raw materials in concentrations  $\geq 10\,000$  ppm ( $\geq 1.0000$  w%) are always regarded as ingoing substances, regardless of the concentration in the toner powder or ink.

Type and colour		
Is the product a toner powder or an ink?	Toner powder <input type="checkbox"/>	Ink <input type="checkbox"/>
<b>Colour of the toner powder/ink:</b>		
Black	<input type="checkbox"/>	
Cyan	<input type="checkbox"/>	
Magenta	<input type="checkbox"/>	
Yellow	<input type="checkbox"/>	
Another colour	<input type="checkbox"/>	

O2 Classification of the toner powder/ink:		
According to CLP Regulation 1272/2008. Incl. all classification variants. For example, H350 also covers classification H350i.		
Is the toner powder/ink classified with any of the hazard phrases below?	YES	NO
Aquatic Acute 1 H400	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic Chronic 1 H410	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic Chronic 2 H411	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic Chronic 3 H412	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic Chronic 4 H413	<input type="checkbox"/>	<input type="checkbox"/>
Ozone H420	<input type="checkbox"/>	<input type="checkbox"/>
Acute Tox. 1 or 2 H300	<input type="checkbox"/>	<input type="checkbox"/>
Acute Tox. 1 or 2 H310	<input type="checkbox"/>	<input type="checkbox"/>
Acute Tox. 1 or 2 H330	<input type="checkbox"/>	<input type="checkbox"/>
Acute Tox. 3 H301	<input type="checkbox"/>	<input type="checkbox"/>
Acute Tox. 3 H311	<input type="checkbox"/>	<input type="checkbox"/>
Acute Tox. 3 H331	<input type="checkbox"/>	<input type="checkbox"/>
STOT SE 1 or 2 H370	<input type="checkbox"/>	<input type="checkbox"/>
STOT SE 1 or 2 H371	<input type="checkbox"/>	<input type="checkbox"/>
STOT RE 1 or 2 H372	<input type="checkbox"/>	<input type="checkbox"/>
STOT RE 1 or 2 H373	<input type="checkbox"/>	<input type="checkbox"/>

Asp. Tox. 1 H304	<input type="checkbox"/>	<input type="checkbox"/>
Skin Sens. 1, 1A or 1B H317* <i>* For inks: Classification H317 due to preservatives are exempted from the requirement.</i>	<input type="checkbox"/>	<input type="checkbox"/>
If yes to H317: Is the classification H317 due to preservatives?	<input type="checkbox"/>	<input type="checkbox"/>
If yes to H317 and due to preservatives: Please state chemical name, CAS No. and amount (in ppm, wt% or mg/kg) of the preservative(s):		
Resp. Sens. 1, 1A or 1B H334	<input type="checkbox"/>	<input type="checkbox"/>
Carc. 1A or 1B H350	<input type="checkbox"/>	<input type="checkbox"/>
Card. 2 H351	<input type="checkbox"/>	<input type="checkbox"/>
Muta. 1A or 1B H340	<input type="checkbox"/>	<input type="checkbox"/>
Muta. 2 H341	<input type="checkbox"/>	<input type="checkbox"/>
Repr. 1A or 1B H360	<input type="checkbox"/>	<input type="checkbox"/>
Repr. 2 H361	<input type="checkbox"/>	<input type="checkbox"/>
Lact. H362	<input type="checkbox"/>	<input type="checkbox"/>
Is safety data sheet in accordance with Annex II of REACH (Regulation 1907/2006) for the toner powder/ink attached?	<input type="checkbox"/>	<input type="checkbox"/>

**O3 Classification of ingoing substances:**

According to CLP Regulation 1272/2008. Incl. all classification variants. For example, H350 also covers classification H350i.

<b>Do the toner powder/ink has any ingoing substances classified with any of the hazard phrases below?</b>	<b>YES</b>	<b>NO</b>
Carc. 1A or 1B H350	<input type="checkbox"/>	<input type="checkbox"/>
Card. 2 H351*	<input type="checkbox"/>	<input type="checkbox"/>
Muta. 1A or 1B H340	<input type="checkbox"/>	<input type="checkbox"/>
Muta. 2 H341	<input type="checkbox"/>	<input type="checkbox"/>
Repr. 1A or 1B H360	<input type="checkbox"/>	<input type="checkbox"/>
Repr. 2 H361	<input type="checkbox"/>	<input type="checkbox"/>
Lact. H362	<input type="checkbox"/>	<input type="checkbox"/>
STOT SE 1 H370	<input type="checkbox"/>	<input type="checkbox"/>
STOT RE 1 H372	<input type="checkbox"/>	<input type="checkbox"/>
ED HH 1 EUH380	<input type="checkbox"/>	<input type="checkbox"/>
ED HH 2 EUH381	<input type="checkbox"/>	<input type="checkbox"/>
ED ENV 1 EUH430	<input type="checkbox"/>	<input type="checkbox"/>
ED ENV 2 EUH431	<input type="checkbox"/>	<input type="checkbox"/>
PBT EUH440**	<input type="checkbox"/>	<input type="checkbox"/>

** See also O4 Excluded substances for additional requirements for potential or identified endocrine disruptors and PBT/vPvB substances.		
vPvB EUH441** ** See also O4 Excluded substances for additional requirements for potential or identified endocrine disruptors and PBT/vPvB substances.	<input type="checkbox"/>	<input type="checkbox"/>
PMT EUH450	<input type="checkbox"/>	<input type="checkbox"/>
vPvM EUH451	<input type="checkbox"/>	<input type="checkbox"/>

O4 Excluded substances:		
Do the toner powder/ink has any ingoing substances or substance groups below?	YES	NO
Substances on the REACH Candidate list of SVHC substances <a href="https://www.echa.europa.eu/candidate-list-table">https://www.echa.europa.eu/candidate-list-table</a>	<input type="checkbox"/>	<input type="checkbox"/>
PBT and vPvB substances in accordance with REACH Annex XIII, including substances under investigation according to the ECHA PBT assessment list <a href="https://echa.europa.eu/pbt/-/dislist/details/0b0236e1889ab857">https://echa.europa.eu/pbt/-/dislist/details/0b0236e1889ab857</a>	<input type="checkbox"/>	<input type="checkbox"/>
Potential or identified endocrine disruptors, according to any of the following EU member state initiative "Endocrine Disruptor Lists" List I; II and III <i>N.B. A substance which is transferred to one of the corresponding sublists called "Substances no longer on list" and no longer appears on any of List I-III, is no longer excluded. The exemption is those substances on sublist II which were evaluated and where concern for endocrine disruption may still remain. Nordic Ecolabelling will evaluate the circumstances case-by-case, based on the background information indicated on the sublist.</i>	<input type="checkbox"/>	<input type="checkbox"/>
Per- and polyfluoroalkyl substances (PFAS) <i>PFAS: as any substance that contains at least one fully fluorinated methyl (CF<sub>3</sub>-) or methylene (-CF<sub>2</sub>-) carbon atom (without any H/Cl/Br/I attached to it).</i>	<input type="checkbox"/>	<input type="checkbox"/>
Ethylenediamine tetraacetate (EDTA, CAS No. 6381-92-6) and its salts and Diethylenetriamine pentaacetate (DTPA, CAS No. 67-43-6) and its salts	<input type="checkbox"/>	<input type="checkbox"/>
Hypochlorites and hypochlorous acid	<input type="checkbox"/>	<input type="checkbox"/>
Alkylphenols (AP) (e.g. butylated hydroxy anisole (BHA, CAS No. 25013-16-5), alkylphenol ethoxylates (APEO), and other alkylphenol derivates (APD)	<input type="checkbox"/>	<input type="checkbox"/>
Bisphenols and bisphenol derivatives, defined as the 34 bisphenols that have been identified by ECHA for further EU regulatory risk management because they are known or potential endocrine disruptors for the environment or for human health, or can be identified as toxic for reproduction	<input type="checkbox"/>	<input type="checkbox"/>
Halogenated organic compounds Exemptions for: a) Pigments that meet the EU's requirement concerning colourants in food packaging under Resolution AP (89) point 2.5 b) Preservatives in inks. <i>Please note: Per- and polyfluoroalkyl substances (PFAS) are covered by their own bullet and are not included in the exemption.</i>	<input type="checkbox"/>	<input type="checkbox"/>
For halogenated organic compounds: Are any of the exemptions used?	<input type="checkbox"/>	<input type="checkbox"/>
For halogenated organic compounds, if any exemptions are used: Please state if it is pigments or preservatives:		
For halogenated organic compounds, if exemption is for pigments: Do the pigments meets the EU's requirement concerning colourants in food packaging under Resolution AP (89) point 2.5?	<input type="checkbox"/>	<input type="checkbox"/>

**O5 Aromatic amines:**

	YES	NO
Do the toner powder/ink contain any azo dyes that may release carcinogenic aromatic amines listed in Regulation (EC) No 1907/2006, Annex XVII, Appendix 8?	<input type="checkbox"/>	<input type="checkbox"/>

**O6 Analysis for heavy metals, tin organic compounds and VOC:**

A test report shall declare that the analyse results for toner powder/ink is maximum the limit values listed in the table 1, 2 and 3 below:

Tabel 1, Limit values for heavy metals:

Test parameters	Limit value [mg/kg]
Cobalt	25
Nickel	70
Cadmium	5
Lead	25
Mercury	2
Chromium (total)	1
Chromium VI	3

Tabel 2, Limit values for tin organic compounds:

Test parameters	Limit value [mg/kg]	
Method A is valid when extracted with methanol. If the limit value of method A is exceeded, method B applies (extraction using artificial sweat solution).	Method *	Method B**
Total of tributyltin (TBT) and dibutyltin (DBT)	0.5	0.05
Total of other tin organic compounds***	5	0.5

\* Test method: Derivatization with sodium tetraethyl borate, extraction with methanol, determination by means of GC/MS.

\*\* Derivatization with sodium tetraethyl borate, extraction with artificial sweat solution (DIN EN ISO 105-E04), determination by means of GC/MS.

\*\*\* Total of butyltin, tetrabutyltin, octyltin, dioctyltin, tricyclohexyltin and triphenyltin.

Tabel 2, Limit values for volatile organic contents:

Test parameters	Limit value [mg/kg]
TVOC	300
Styrene	40
Benzene	0.35

	YES	NO
The toner powder shall be analysed according to "TÜV Rheinland LGA Products GmbH" analysis methods. Toner powder can also be analysed by testing the toner cartridge in accordance with current methods in the Blue Angel Criteria RAL-UZ 177. <i>Coloured toner powder (e.g., cyan, magenta and yellow) may be mix in equal shares and hereafter analysed. Black toner powder must be analysed separately.</i>	<input type="checkbox"/>	<input type="checkbox"/>
Is test report(s) attached and analyse preformed according to above?		
Do the test report(s) show that the limit values are smaller or equal to listed in the table 1, 2 and 3 above?	<input type="checkbox"/>	<input type="checkbox"/>

Do the test laboratory which has performed the test(s) fulfil the requirements: The laboratory must be competent and impartial. The laboratory must meet the general requirements of ISO 17025 standard for quality control of laboratories or be an official GLP-approved laboratory.	<input type="checkbox"/>	<input type="checkbox"/>
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In the event of any change to the composition of the toner powder/ink, a new declaration of fulfilment of the requirements is to be submitted to Nordic Ecolabelling.

<b>Place and date:</b>	<b>Company name:</b>
<b>Responsible person:</b>	<b>Signature of responsible person:</b>
<b>Telephone:</b>	<b>Email:</b>