

## Appendix 3 Declaration of classification of toner powder and of constituent substances in toner powder

Name of toner powder:
Producer/Supplier of toner powder:

### Colour and type of toner powder:

Colour

- Black  
 Cyan  
 Magenta  
 Yellow  
 Other colour

Type:

- Mechanically processed  
 Chemically processed

### Classification of toner powder (R2)

CLP Regulation (EC) No 1272/2008 as amended	
Hazard class and category	Hazard phrase
Environmental hazard	
Toxic to aquatic organisms – acute 1	H400
Toxic to aquatic organisms – chronic 1/2/3/4	H410, H411, H412, H413
Dangerous to the ozone layer	H420 (previously EU 059)
Carcinogenic/mutagenic/toxic for reproduction (CMR)	
Carcinogenicity Carc 1A/1B	H350
Carcinogenicity Carc 2	H351
May cause genetic defects Muta 1A/1B	H340
May cause genetic defects Muta 2	H341
Toxic for reproduction Repr 1A/1B	H360
Toxic for reproduction Repr 2	H361
Other toxicological properties	
Toxic for reproduction – effects on or through breastfeeding	H362
Specific target organ toxicity – repeated exposure 2	H373
Acutely lethal effects	
Acute toxicity 1/2	H330, H310, H300
Acute toxicity 2/3	H330, H331, H311, H301
Non-lethal permanent injury after a single exposure	
Specific target organ toxicity – single exposure 1	H370
Specific target organ toxicity – single exposure 2	H371
Serious harmful effects due to repeated or prolonged exposure	
Specific target organ toxicity – repeated exposure 1/2	H372, H373
Inhalation hazard 1	H304
Sensitising effects	
Sensitising – respiration 1, 1A and 1B	H334
Sensitising – skin 1, 1A and 1B	H317
Other hazards	

	EUH070
Acute toxicity 1/2/3	EUH029
Acute toxicity 3	EUH031
Acute toxicity 1/2	EUH032

A product information sheet is to be included for the toner powder.

The toner powder is not classified and is not subject to classification according to the above listed hazard classes and hazard categories with associated risk phrases and hazard statements:

Date	Company name
Phone	Signature of responsible officer

## Declaration of constituent substances in toner powder (R3 to R6)

Name of toner powder:
Producer/Supplier of toner powder:

### Substances of very high concern (R3)

Toner powder must not contain EDTA additives or their salts, sodium or calcium hypochlorite, poly and perfluorinated alkylated substances (PFAS), or alkylphenol ethoxylates or their derivatives. Moreover, constituent substances categorised in REACH (Registration, Evaluation and Authorisation of Chemicals) as substances of very high concern (SVHC) and similar substances must not be added to chemicals and materials, i.e.:

1. Carcinogenic/mutagenic/reproduction toxic (CMR) substances of Category 1 or 2. CMR substances of category 3 are also included even if not classed as SVHC by REACH.
2. PBT substances (persistent, bioaccumulative and toxic) and/or vPvB substances (very persistent and very bioaccumulative) in accordance with the criteria in Annex XIII of REACH (Regulation (EC) No 1907/2006).
3. Substances considered to be endocrine disruptors or potential endocrine disruptors in accordance with the European Union's reports and lists concerning endocrine disruptors.
4. Substances recorded on the EU's Candidate List and not meeting the requirements in sections 1-3 above.

*CMR classification: see classification requirements above.*

*PBT and vPvB: see the list of substances that fulfil or substances that contribute to substances that fulfil the PBT or vPvB criteria on the website of the European Chemical Bureau (ECB). Substances that are "deferred" or substances that are "under evaluation" are not considered to have PBT or vPvB properties.*

<http://ecb.jrc.it/esis/index.php?PGM=pbt>

*In the event of amendments, the most recently updated version will apply.*

*Typical examples of PBT or vPvB substances are brominated flame retardants.*

*Endocrine disruptors: see for example the EU's priority list of endocrine disruptors in Annex L of the Final Report of the DHI study at:*

[http://ec.europa.eu/environment/chemicals/endocrine/pdf/final\\_report\\_2007.pdf](http://ec.europa.eu/environment/chemicals/endocrine/pdf/final_report_2007.pdf)

*Substances in categories 1 and 2 are regarded as endocrine disruptors. Please note that the EU list of endocrine disruptors has a category 3, which indicates insufficient data or the existence of data showing that there is no scientific basis for inclusion on the list. Substances in category 3 are not regarded as endocrine disruptors. In the event of amendments, the most recently updated version will apply.*

*Typical examples of endocrine disruptors are various phthalates (e.g. DEHP, BBP, DBP, DINP and DNOP).*

*Candidate list: see EU website: [http://echa.europa.eu/chem\\_data/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/candidate_list_table_en.asp)*

*The Intention List is a tool for monitoring SVHC developments. The list is not binding for Nordic Ecolabelling purposes, but it may be useful to stay ahead of developments:*

[http://echa.europa.eu/chem\\_data/reg\\_int\\_tables/reg\\_int\\_curr\\_int\\_en.asp](http://echa.europa.eu/chem_data/reg_int_tables/reg_int_curr_int_en.asp)

Is the requirement fulfilled?

Yes  No

**Heavy metals (R4)**

The content of the heavy metals lead, cadmium, mercury and hexavalent chromium must not exceed 100 ppm in total in toner powder.

Is the requirement fulfilled?

Yes  No

**Residues of aromatic amines (R5)**

The content of primary unsulphonated aromatic amines soluble in 1M hydrochloric acid and expressed as aniline must not exceed 500 mg/kg and there must be no more than 10 mg/kg benzidine,  $\beta$ -naphthylamine and 4-aminobiphenyl in toner powder.

*Test method in accordance with European Council resolution AP (89) 1. Please refer to ETAD's test method no. 212 (7): Determination of unsulphonated primary aromatic amines in pigments and in solvent soluble dyestuffs intended for use in food packaging, November 1984. Later versions of this test method can also be used.*

Is the requirement fulfilled?

Yes  No

**Analysis for pollutants (R6)**

A test report shall declare that the analyse results for toner powder to be used for Nordic Swan Ecolabelled toner:

**Table 1: Determination limits and limit values for metals**

Test parameters	Determination limit [mg/kg]	Method	Limit value [mg/kg]
Cobalt	1.0	ICP-MS	25
Nickel	5.0	ICP-MS	70
Organic tin compounds (as tin)	0.1	ICP-MS	5.0

**Table 2: Determination limits and limit values for volatile organic contents**

Test parameters	Determination limit [mg/kg]	Limit value [mg/kg]
TVOC	100	300*
Benzene	1	1
Styrene	4	40

\* Limit value different from the BGW-VW-SG2 04

The manufacturer of the toner powder shall declare in safety data sheet (SDS) that the tested toner powder does not contain any 1-nitropyrene, benzo[a]pyrene, azo dyes or pigments that can release carcinogenic amines.

The toner powder shall be analysed in accordance with “BG-prüfzert” Toner Testing principles BGW-VW-SG2 O4 (the analysing methods are described in appendix 1) or according to “TÜV Rheinland LGA Products GmbH” analysis methods. Toner powder can also be analyzed by testing the toner cartridge in accordance with current methods in the Blue Angel Criteria RAL-UZ 177.

The test laboratory shall meet the R14 requirement.

Are the requirements fulfilled?

Yes  No

Producer/Supplier of toner powder:	
Date	Signature of responsible officer
Phone	Name (BLOCK CAPITALS)