

Appendix 9 Colorants, dyes and pigments

Completed by the chemical manufacturer/supplier

Chemical manufacturer/supplier:			
Trade name of the chemical product:			
Specify below the function of the chemical product:			
Tick off:	Dye:	Pigment:	Printing paste:
Type of dye (disperse, reactive, vat, metal complex etc.):			

Framework of the declaration

Ingoing substances: All substances regardless of concentration in a used chemical (eg pigment or bleach) or chemical mixture (eg glue or surface treatment), including additives (such as preservatives and stabilisers) from the raw materials. Substances known to be released from ingoing substances (such as formaldehyde, arylamine and in-situ generated preservatives) are also regarded as ingoing substances.

Impurities: Residuals, pollutants, contaminants et from production, including raw materials production, that remain in a chemical or in the chemical product in concentrations ≤ 100.0 ppm (≤ 0.01000 wt%, ≤ 100.0 mg/kg).

Impurities in the raw materials exceeding concentrations of 1.0% are always regarded as ingoing substance, regardless of the concentration in the chemical product. Examples of contaminants are residues of the following: reagents including monomers, catalysts, byproducts, "scavengers" (i.e. chemicals used to eliminate/minimise adverse substances), cleaning agents for production equipment, and "carry-over" from other/earlier production lines.

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 Swan Ecolabelling.

If some of the information in this declaration is confidential, the information may be sent directly to the Nordic Swan Ecolabelling.

Requirement O22: Colorants, dyes and pigments		Yes	No
Are any of the following dyes used: C.I. Basic Red 9; C.I. Disperse Blue 1,3,7,26,35,102,106,124; C.I. Acid Red 26; C.I. Basic Violet 14; C.I. Disperse Orange 1,3,11,37, 76, 149; C.I. Direct Black 38; C.I. Direct Blue 6; C.I. Direct Red 28; C.I. Disperse Yellow 1,3,9, 23, 39, 49; C.I. Disperse Brown 1; C.I. Disperse Red 1, 11, 17.			
Are any of the colorants, dyes or pigments classified according to the table below? Please note that the classification must be in accordance with applicable European legislation. * Here is an exception for not disperse dyes classified with H334 or H317 when it can be documented that the dye, colorant or pigment is a non-dusting formulation or that it is used by automatically dosing at dye house and printing company.			
For not disperse dyes classified with H334 or H317: Is the dye, colorant or pigment a non-dusting formulation? Attach documentation.			
Requirement O22: Colorants, dyes or pigments. Classification according to CLP regulation 1272/2008.			
Hazard class	Signal word, Category code	Hazard statement	
Toxic to aquatic organisms	Warning, Aquatic acute 1 Warning, Aquatic chronic 1 -, Aquatic chronic 2	H400 H410 H411	
Hazardous to the ozone layer	Warning, Ozone	H420	
Carcinogenic	Danger, Carc. 1A or 1B Warning, Carc. 22	H350 H351	
Mutagenic	Danger, Muta. 1A or 1B Warning, Muta. 2	H340 H341	

Toxic for reproduction	Danger, Repr. 1A or 1B Warning, Repr. 2, Lact.	H360 H361
Acute toxicity	Danger, Acute Tox. 1 or 2 Danger, Acute Tox. 1 or 2 Danger, Acute Tox. 1 or 2	H300 H310 H330
Specific organ toxicity	Danger, STOT SE 1 Danger, STOT RE 1	H370 H372
Respiratory or skin sensitisation	Danger, Resp. Sens. 1 Warning, Skin sens. 1	H334* H317*
Requirement O23: Azo dyes		Yes No
Are azo dyes, which can release the amines listed below, used? REACH regulation has a limit value of max. 30 mg/kg for each of the listed aromatic amines except 2,4-Xylidine and 2,6-Xylidine. However, this requirement completely forbids the use of azo dyes, which can release any of the 24 aromatic amines in the table.		
Name	Cas Nr.	
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'-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	
2,4-Xylidin	95-68-1	
2,6-Xylidin	87-62-7	
Requirement O24: Metals in colorants, dyes and pigments		Yes No
Are the metals in the table below only included as impurities and then only in the listed maximum values? The requirement does not include metals which are an integrated part of the dye molecule (eg metal complex dyes and certain reactive dyes) in assessing whether these values are met, as they only relate to impurities.		
Metals	Limits for dyes with fibre affinity	Limits for insoluble dyes without fibre affinity
Ag	100 ppm	-
As	50 ppm	50 ppm
Ba	100 ppm	100 ppm

Cd	20 ppm	50 ppm	
Co	500 ppm	-	
Cr	100 ppm	100 ppm	
Cu	250 ppm	-	
Fe	2500 ppm	-	
Hg	4 ppm	25 ppm	
Mn	1000 ppm	-	
Ni	200 ppm	-	
Pb	100 ppm	100 ppm	
Se	20 ppm	100 ppm	
Sb	50 ppm	250 ppm	
Sn	250 ppm	-	
Zn	1500 ppm	1000 ppm	
Requirement O25: Metal complex dyes and pigments		Yes	No
Is the dye or pigment a metal complex dye/pigment based on copper, chromium, cobalt or nickel?			
Is the metal complex dye/pigment based on copper?			
If yes , to copper, state the following: - Type of fibre and/or fibre mixtures the dye can be use for: _____ - Weight % of copper in the metal complex dye/pigment: _____			
When metal complex dye based on copper is used for dyeing of cotton or cotton mixtures, state the following: - The fixation ratio (guideline specified by the manufacturer of dye): _____% fixation - Is the dye a polyfunctional (bifunctional) reactive metal complex dye?			
Requirement O26: Applies for VOC in printing pastes		Yes	No
Does the printing paste contain more than 5% volatile organic compounds (VOC)? VOC are defined as compounds which have a vapour pressure of 0.01 kPa or higher at 293.15 K or an equivalent volatility under the conditions of use.			
Requirement O28: Applies for plastisol-based printing		Yes	No
Does the printing paste contain halogenated polymers?			

In case of changes in the composition of products, a new Appendix with fulfillment of requirements must be submitted to Nordic Swan Ecolabelling.

Place and date:	Company name:
Accountable person, telephone & email:	Signature: