Appendix 18 Dyes and pigments – dyeing process

To be completed by the responsible for the dyeing.

Name of dyeing site: _____

Which process takes place here: _____

_____

O31. Are dyes/colouring agents/pigments classified according to the table below?

☐ Yes ☐ No

Only disperse dyes must meet the requirement for allergenic classification (H334 (R42) or H317 (R43))

If yes, state the chemical name, CAS no. and amount in weight %:

_____

_____

Are the dyes/colorants/pigments disperse? ☐ Yes ☐ No

If not, are the dyes/colorants/pigments non-dusting formulations? ☐ Yes ☐ No

and

If not, are dyes/colorants/pigments used by automatically dosed dyeing and printing processes?

☐ Yes ☐ No

Classification of chemical products

Exemptions from classification below may occur in individual requirements.

Hazard class	**Hazard symbols and R-phrases in accordance with directive 67/548/EEC***	**CLP-regulation 1272/2008***
Environmental hazard	N with R50, R50/53, R51/53 and/or R59	Dangerous to aquatic environments. Category acute 1 H400, category chronic 1 H410, category chronic 2 H411. Ozone EUH 059
Highly toxic	Tx (T+ in Norway) with R26, R27, R28 and/or R39	Acute toxicity, Category 1 or 2 with H330, H310 and/or H300 and/or specific organic toxic- single
Toxic	T with R23, R24, R25, R39 and/or R48	Acute toxicity, Category 2 or 3 with H330, H331, H311 and/or H301 and/or specific organic toxic-single exposure, category 1 with H370, and/or specific organic toxic - repeated exposure category 1 with H372.
Carcinogenic	T with R45 or R49. Or Xn with R40	Carc 1A/1B/2 with H350, H350i and/or H351
Mutagenic	T with R46 or Xn with R68	Mut 1B/2 with H340 and/or H341
Harmful to reproduction	T with R60 and/or R61. Or Xn with R62 and/or R63	Repr 1A/1B/2 with H360, H361
Allergenic	R42 and/or R43	Resp.Sens 1 with H334 or Skin Sens 1 with H317

O31. Are any of the following dyes used? ☐ Yes ☐ No

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

O34. Are chrome mordants used? ☐ Yes ☐ No

O35. Are metal complex dyes used when dyeing? ☐ Yes ☐ No

If yes, state the chemical name, CAS no. and amount in weight %:

_____

_____

If yes, is the following requirements complied when using metal complex dye? ☐ Yes ☐ No

Metal complex dyes based on copper, chromium or nickel are only permitted when dyeing wool fibers, polyamide fibers, blends of wool and/or polyamide with regenerated cellulose fibers.

Emissions to water after treatment must not exceed 5 mg/kg fibre for Cu,
5 mg/kg fibre for Ni, and 3 mg/kg fibre for Cr.

Attach test report for emissions of heavy metals in accordance with ISO 17294-2 or equivalent methods.

For cotton only metal complex dyes based on copper are allowed and only if the following are met:

- The metal complex dye is a polyfunctional (bifunctional) reactive metal complex dye.
- The fixation ratio (guideline specified by the manufacturer of dye) is minimum 80%.
- Copper must be a maximum of 5% by weight of metal complex dye.

Signature of the responsible for the dyeing process:

Date:	Signature:
Company name, telephone & email:	Name: (block capitals)
	Position: