

F Textile chemicals and dyes

The company applying for license for Good Environmental Choice (Bra Miljöval) shall before Part F is sent to the production unit, enter their own company name and the name of the production unit where the given chemicals/dyes are used. The production unit shall forward this document to the manufacturer of textile chemicals and dyes.

Name of the company applying for license or approval for material to be used
Company name of production unit

**Part F is filled in by the manufacturer of the textile chemical(s) or dye(s).
The Licensee shall attach requested certificates and other documentation.**

By request of the Swedish Society for Nature Conservation, the manufacturer shall be prepared to provide documentation that verifies the information stated in Part F.

Materials contained in the licensed product/product group must fulfil the criteria in Good Environmental Choice - Textiles 2012. This text is a translation. The Swedish version always prevails.

References are to sections in the criterion document.

F1 Information about textile chemicals/dyes

Each textile chemical, dye or pigment contained in a recipe must be declared along with requested information. Safety data sheets must be attached.

Chemicals, dyes and pigments which fulfil the requirements specified in the criteria for Good Environmental Choice - Textiles 2012 may be listed and verified in the same document (Part F) with the possibility to attach verifications.

- Information is sent by Licensee
- Information is sent directly from supplier/producer to the Swedish Society for Nature Conservation

Commercial name of textile chemical(s)/dye(s). Named, dated and signed annex may be attached.
Supplier
Producer

- Safety data sheet (SDS) is attached.**
- No substances, which are included in the REACH candidate list of particularly hazardous substances are contained in the textile chemical(s)/dye(s).

F2 Banned substances (Section 5.1.1)

The substances in the below table may not be part of any process stage.

Banned chemical substances and compounds according to requirements 5.1.1 may not be actively added to textile chemicals or dyes irrespective of percentage content.

Unintentionally formed compounds or residues and naturally occurring contaminants that are listed as banned under requirement 5.1.1 may not exceed 0.1%. This applies if no other limit of content is given for the specific substance.

Absence of banned substances in the textile chemical/dye
By a tick in the boxes below verifies that the substance is <ul style="list-style-type: none"> - not actively added to the textile chemical or the dye - not unintentionally has been formed, is a residue or is naturally occurring in concentrations above 0,1 %.
<input type="checkbox"/> α -methyl-ester sulphonate (α -MES)
<input type="checkbox"/> Ammonia or ammonium compounds
<input type="checkbox"/> APEO, Alkyl phenol ethoxylates
<input type="checkbox"/> Aromatic solvents
<input type="checkbox"/> Benzene, toluene and xylene
<input type="checkbox"/> DHTDMAC, DSDMAC, DTDMAC (Quaternary ammonium compounds)
<input type="checkbox"/> DPTA, Diethylene triamine penta acetic acid
<input type="checkbox"/> EDTA, Ethylene diamine tetra acetic acid
<input type="checkbox"/> Phthalates
<input type="checkbox"/> Halogenated solvents
<input type="checkbox"/> Halogenated phenols and their salts
<input type="checkbox"/> Halogenated organic compounds
<input type="checkbox"/> Hypochlorite or other chlorine-based bleaching agents
<input type="checkbox"/> Short-chain aldehydes, with up to 6 carbon atoms, such as acetaldehyde, formaldehyde and glyoxal
<input type="checkbox"/> LAS, Linear alkyl benzene sulphonates
<input type="checkbox"/> Metals, including the semi-metallic element arsenic and excluding iron ¹
<input type="checkbox"/> NTA, Nitrilo-tri-acetic acid
<input type="checkbox"/> Organic tin compounds
<input type="checkbox"/> PAH, Polyaromatic hydrocarbons
<input type="checkbox"/> Perfluorinated organic compounds such as PFOS and PFOA
<input type="checkbox"/> PVC, Polyvinyl chloride

¹Related to textile chemicals. For dyes and pigments see headers F9-F11 in this document.

F3 Hazard statements/risk phrases (Section 5.1.2)

(Chemical substances or compounds)

Chemical substances or compounds classified with hazard statements or risk phrases according to requirement 5.1.2 may not be actively added to textile chemicals or dyes irrespective of percentage content.

Unintentionally formed compounds or residues and naturally occurring contaminants that are classified with hazard statements or risk phrases according to requirement 5.1.2 may not exceed 0,1 %. This applies if no other limit of content is given for the specific substance.

H and CLP phrases according to GHS and EU-regulation no. 1272/2008

Substances and compounds in the textile chemical/dye
By a tick in the boxes below verifies that the chemical substances or compounds with the below listed hazard statements/risk phrases
<ul style="list-style-type: none"> - not actively is added to the textile chemical or the dye - not unintentionally has been formed, is a residue or is naturally occurring in concentrations above 0,1 %.
<input type="checkbox"/> H300 - Fatal if swallowed
<input type="checkbox"/> H301 - Toxic if swallowed
<input type="checkbox"/> H310 - Fatal in contact with skin
<input type="checkbox"/> H330 - Fatal if inhaled
<input type="checkbox"/> H340 - May cause genetic defects
<input type="checkbox"/> H341 - Suspected of causing genetic defects
<input type="checkbox"/> H350 - May cause cancer
<input type="checkbox"/> H350i - May cause cancer by inhalation
<input type="checkbox"/> H351 - Suspected of causing cancer
<input type="checkbox"/> H360D - May damage fertility or the unborn child
<input type="checkbox"/> H360F - May damage fertility or the unborn child
<input type="checkbox"/> H361f - Suspected of damaging fertility or the unborn child
<input type="checkbox"/> H361d - Suspected of damaging fertility or the unborn child
<input type="checkbox"/> H370 - Causes damage to organs, EUH070 Toxic by eye contact
<input type="checkbox"/> H371 - May cause damage to organs
<input type="checkbox"/> H372 - Causes damage to organs through prolonged or repeated exposure
<input type="checkbox"/> H373 - May cause damage to organs through prolonged or repeated exposure
<input type="checkbox"/> H420 - Harms public health and the environment by destroying ozone in the upper atmosphere

F4 Toxicity and degradability in aquatic environments (Section 5.1.3) (Chemical substances or compounds)

Chemical substances or compounds must satisfy one of the following combinations with regard to toxicity (LC₅₀ or EC₅₀) and degradability. The assessment of compliance with this requirement is based on the trophic level for which the toxicity has the lowest level for LC₅₀ or EC₅₀. All known trophic levels must be declared, and at least one. Chemical substances and compounds with LC₅₀ or EC₅₀ < 1 mg/l are always prohibited.

No requirement is set for degradability if LC₅₀ or EC₅₀ is greater than 100 mg/l.

If LC₅₀ or EC₅₀ is 1-100 mg/l the degradability must be at least 60-70% in 28 days according to OECD 301 or equivalent testing method, see Appendix 2 of the criterion document.

By attached safety data sheets (MSDS) verifies that the above requirements for readily biodegradable substances with toxicity of 1-100 mg/l and non-readily degradable substances with toxicity > 100 mg/l are fulfilled.

The above requirements for degradability are not fulfilled. However, are the requirements for eliminability to at least 80% in 28 days according to OECD 303 A or ISO 11733 fulfilled. See below information under header F5.

F5 Hazard statements/risk phrases and aquatic eliminability (Section 5.1.4) (Chemical substances and compounds)

Chemical substances or compounds classified with one or more of the hazard statements/risk phrases in the following table are only permitted if they are eliminable to at least 80% in 28 days according to OECD 303 A or ISO 11733.

H411 - Toxic to aquatic life with long-lasting effects
H412 - Harmful to aquatic life with long-lasting effects
H413 - May cause long-lasting harmful effects to aquatic life

Tick in in one of the boxes below

By attached safety data sheets (MSDS containing eliminability) the above requirements are verified.

By attached documents is the eliminability verified for all of the chemical substances or compounds classified with H411, 412 or H413 (R51/53, R52/53 or 53).

F6 Biocide substances and compounds (Section 5.1.6)

- No biocide substances or compounds are contained in the textile chemical/dye
- Biocide substances or compounds are contained in the textile chemical/dye by $\leq 0.1\%$ by weight.
- Biocide substances or compounds are contained in the textile chemical/dye by $\leq 0.5\%$ by weight. (Only permitted for alginate-based and starch-based products).
- Biocide substances or compounds are contained in the textile chemical/dye at a level required to be declared according to regulations for safety data sheets (EU Regulation No. 1272/2008, GHS, or EU Directives 2001/58/EEC and /2006/EEC). The requirements 5.1.1, 5.1.3 – 5.1.5 for these substances and compounds are fulfilled.

Biocide substances and compounds may not be classified with one or more of the hazard statements/risk phrases in the following table, if they are present in textile chemicals or dyes at levels that are required to be declared according to regulations for safety data sheets (EU Regulation no. 1272/2008, GHS, or EU Directives 2001/58/EEC and 1907/2006/EEC).

Substances and compounds in the textile chemical/dye

By a tick in the boxes below verifies that the chemical substances or compounds with the below listed hazard statements/risk phrases

- not actively added to the textile chemical or the dye
- not unintentionally has been formed, is a residue or is naturally occurring in concentrations above 0,1 %.

H317 - May cause an allergic skin reaction

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

F7 Information about enzyme content (Sections 3.2.11, 6.2.4)

- No enzymes are contained in the textile chemical
- Enzymes are contained in the textile chemical. The enzymes are free from residues from microorganisms used in their production.

F8 Metal impurities in dyes (Section 6.6.1)

A tick in a box below indicates that content of the specific metal in the dye does not exceed the specified limit value (ETAD).

- Antimony (Sb) max 50 ppm
- Arsenic (As) max 50 ppm
- Barium (Ba) max 100 ppm
- Lead (Pb) max 100 ppm
- Iron (Fe) max 2500 ppm
- Cadmium (Cd) max 20 ppm
- Cobalt (Co) max 500 ppm
- Copper (Cu) max 250 ppm
- Chromium (Cr) max 100 ppm
- Mercury (Hg) max 4 ppm
- Manganese (Mn) max 1000 ppm
- Nickel (Ni) max 200 ppm
- Selenium (Se) max 20 ppm
- Silver (Ag) max 100 ppm
- Tin (Sn) max 250 ppm
- Zinc (Zn) max 1500 ppm

F9 Metal impurities in pigment (Section 6.6.2)

A tick in a box below indicates that content of the specific metal in the dye does not exceed the specified limit value (ETAD).

- Antimony (Sb) max 250 ppm
- Arsenic (As) max 50 ppm
- Barium (Ba) max 100 ppm
- Lead (Pb) max 100 ppm
- Cadmium (Cd) max 50 ppm
- Chromium (Cr) max 100 ppm
- Mercury (Hg) max 25 ppm
- Selenium (Se) max 100 ppm
- Zinc (Zn) max 1000 ppm

F10 Copper in blue and green dyes (Section 6.6.3)

Dyes and pigments are exempted from requirement 5.1.1 with regard to copper, although it may only be present at a maximum level of 5% by weight in green and blue shades.

- Dye does not contain copper
- Dye contains copper but at a maximum level of 5% by weight. State value:

F11 Carcinogenic aromatic amines (Section 6.6.4)

Dyes and pigments that can be split into one of the carcinogenic aromatic amines listed in Directive 2003/3/ECC Annex XVII must not be used.

- No carcinogenic aromatic amines can be split from the dye/pigment.

F12 Allergenic dispersion dyes (Section 6.6.5)

Dispersion dyes must not contain levels of substances or compounds that have to be declared according to regulations for safety data sheets (EU-Regulation 1272/2008, GHS, or EU Directives 2001/58/EEC and 1907/2006/EEC), classified with the hazard statements or risk phrases in the table below or any combination thereof.

Declaration of substances and compounds in dispersion dyes

A tick in a box below indicates that no chemical substances or compounds with this classification is contained in the dispersion dye.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H317 May cause an allergic skin reaction

F13 Natural dyes and pigments (Section 6.6.6)

The dye/pigment has not been extracted from endangered plant or animal species.

The solvent for extraction satisfy the requirements in section 5.

Part F must be filled in separately for the solvent used.

Part F for the solvent *is attached*.

Responsible person of the manufacturer, below verifies that the information in Part F is valid for the given textile chemical(s)/dye(s).

Date and signature of responsible person
Name (print)
Position
Telephone number
E-mail address

The completed form with signature can be scanned and sent

by e-mail to:

textil@naturskyddsforeningen.se

Or by post to:

Swedish Society for Nature Conservation

Good Environmental Choice Textiles

Första Långgatan 28B

SE-413 27 Gothenburg

Sweden

NOTE: This text is a translation. The Swedish version always prevails.