

## **Submitting data of chemicals to Nordic Ecolabelling according to the Chemical Module**

Gaining the right to use the Nordic Swan Label on different products requires certain characteristics of production chemicals. The Chemical Module, version 1.0, deals with chemicals used in pulping, paper making, product packaging and paper conversion. Paper conversion includes paper printing, embossing, etc.

This instruction deals with submitting data for the Chemical Module. The Chemical Module covers all Swan Labelled paper products, and may be considered as the common denominator for chemicals in all Swan paper products. A producer is however advised to check the relevant Supplementary Module for specific paper products (Tissue Paper, Paper Envelopes, Greaseproof Papers, Coffee Filter Papers, etc.), as the product- specific Supplementary Module may have requirements on chemicals, which differ from those in the Chemical Module. The difference may occur in both directions, the requirement in the Supplementary Module being more demanding or less demanding than that in the Chemical Module. As examples of this differences are: glue in Paper Envelopes, wet strength agents in Tissue Paper. The differences in requirements between the Chemical Module and a specific Supplementary Module reflect particular and defined concerns, i.e. use of paper product in contact with food.

The requirements on Chemical Module- chemicals depend on both the properties of the chemicals, and their main function.

### **1. Chemicals that need not be listed**

Non- production chemicals need not be submitted or listed.

Non- production chemicals are defined as follows in the Chemical Module:

- Chemicals being tested in mill conditions
- Raw water treatment chemicals
- Chemicals used in power production, or steam generation
- Chemicals used in mechanical, electrical or instrument (automation) maintenance

### **2. Data that the licence applicant supplies**

The licence applicant shall supply the following data for production chemicals:

- Product name (= chemical name)
- Name of supplier of chemical. Import agent and producer.
- Product Safety Data Sheet of the chemical
- Function of chemical. If many functions exist, all uses are listed.
- Chemical usage, in the unit "kg /metric ton of pulp or paper". Mention is required whether the amount used is expressed as commercial product , or as bone dry weight.

The licence applicant may use "Appendix 1 Declaration 1" in submitting the data above. Separate "Appendix 1 Declaration 1"- forms may be required separately for pulp production , paper production and paper converting.

### 3. Data from chemical supplier

Specific data of chemicals shall be sent to Nordic Ecolabelling. Data may be sent directly , or through the applicant.

The following table clarifies what data the chemical supplier shall submit, using the forms that are as attachments in the Chemical Module, version 1.0.

Of course a chemical supplier may also use other means than the forms which are to be found as appendices in the Chemical Module when submitting data of chemicals.

The next table presents which data shall to be supplied from the supplier of chemicals.:

| <b>Chemical category in Chemical Module</b>        | <b>Function of chemical</b>   | <b>Attachment Form</b>          | <b>Requirement number in Chemical Module</b> |
|--|---|---------------------------------|--|
| <b>Cleaning agents and Dispersants</b>             | Cleaning agents, and solids-dispersing agents   | <b>L2 D1*</b> ,<br><b>L3 D1</b> | R2   |
| <b>De- inking chemicals</b>                        | Agents used in removing impurities from reused paper  | <b>L2 D2</b> ,<br><b>L3 D1</b>  | R3, R2                                       |
| <b>Biocides</b>                                    | Agents suppressing and preventing microbe growth in pulp and paper mill systems                   | <b>L2 D3</b> ,<br><b>L3 D1</b>  | R4   |
| <b>Coating chemicals</b>                           | Binders, and other polymer containing coating colour components                                   | <b>L2 D4</b> ,<br><b>L3 D1</b>  | R5, R2                                       |
| <b>Retention agents,</b>                           | Agents with retention- effect, i.e. in connection with paper machine, waste water treatment, etc. | <b>L2 D5</b> ,<br><b>L3 D1</b>  | R5   |
| <b>Wet strength agents</b>                         | Wet strength resins whose main function is giving wet strength to paper                           | <b>L2 D7</b> ,<br><b>L3 D1</b>  | R7   |
| <b>Foam inhibitors and defoamers</b>               | Foamkillers and agents suppressing foam from forming  | <b>L2 D6</b> ,<br><b>L3 D1</b>  | R6, R2                                       |
| <b>Dyes in stock colouring, and paper printing</b> | Colouring agents used for paper stock dyeing. Printing inks used in paper printing.               | <b>L2 D8</b> ,<br><b>L3 D1</b>  | R9, R10, R11, R12, R13, R14                  |
| <b>Adhesives</b>                                   | Glues used in paper manufacture, paper converting and product packaging                           | <b>L2 D9</b> ,<br><b>L3 D1</b>  | R15, R2                                      |

\* The abbreviation: "L2 D1" means "Appendix 2, Declaration 1" among the Chemical Module appendices.

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