

Appendix 2 Chemicals used in production and surface treatment of biological durable wood

To be used in conjunction with an application for a licence for the Nordic Swan Ecolabel of biological durable wood for outdoor use.

The declaration is made by the chemical manufacturer or supplier based on the best of their knowledge at the given time and available knowledge on the chemical product with reservations for new advances/knowledge. Should such new knowledge arise, the undersigned is obliged to submit an updated declaration to Nordic Ecolabelling.

This declaration shall be filled for chemical products used in the production of the Nordic Swan Ecolabelled durable wood, such as impregnation fluids.

Name of chemical product:

Function of the chemical product:

Ingoing substances in the raw material/ingredient (chemical name, CAS-number, amount in weight-%):

The requirements in the criteria document and accompanying appendices apply to all ingoing substances in the Nordic Swan Ecolabelled product. Impurities are not regarded as ingoing substances and are exempt from the requirements. Ingoing substances and impurities are defined below, unless stated otherwise in the requirements.

Ingoing substances: all substances in the chemical product regardless of amount, including additives (e.g., preservatives and stabilisers) from the raw materials. Substances known to be released from ingoing substances (e.g., formaldehyde, arylamine, in situ-generated preservatives) are also regarded as ingoing substances.

Impurities: Residues from production, incl. raw material production, which remain in the chemical product at concentrations below 1000 ppm (0.1000% by weight).

Examples of impurities are residues of reagents include residues of monomers, catalysts, by-products, scavengers (i.e. chemicals that are used to eliminate/minimise undesirable substances), detergents for production equipment and carry-over from other or previous production lines.

O5 Classification of chemical products used in the production	YES	NO
Is the chemical product classified with any of the hazard phrases below?		
Including all combinations of stated exposure routes and stated specific effect. For example, H350 also covers classification H350i.		
H400 – Toxic to the environment Aquatic Acute 1		
H410 – Toxic to the environment Aquatic Chronic 1		
H411 – Toxic to the environment Aquatic Chronic 2		
H420 – Toxic to the environment Ozone		
H300 – Acute toxicity; Acute Tox 1 or 2		
H310 – Acute toxicity; Acute Tox 1 or 2		
H330 – Acute toxicity; Acute Tox 1 or 2		
H301 – Acute toxicity; Acute Tox 3		
H311 – Acute toxicity; Acute Tox 3		
H331 – Acute toxicity; Acute Tox 3		
H370 – Specific organic toxicity, STOT SE 1		
H372 – Specific organic toxicity, STOT RE 1		
H350 – Carcinogenic, Carc. 1A or 1B		
H351 – Carcinogenic, Carc. 2		
H340 – Germ cell mutagenic, Mut. 1A and 1B		
H341 – Germ cell mutagenic, Mut. 2		
H360 – Reproductive toxicity, Repr. 1A or 1B		
H361 – Reproductive toxicity, Repr 2		
H362 – Reproductive toxicity, Lact.		
<p>The following are exempted from the requirement:</p> <p>H351 due to the presence of furfuryl alcohol (CAS 98-00-0)</p> <p>H372 and H373 due to the presence of maleic acid anhydride (CAS 108-31-6).</p> <p>H330 due to the presence of acetic acid anhydride (CAS 108-24-7). - UV curing products are exempted from classification H411 under the following conditions: There must be a controlled closed process where no discharge to recipient takes place. Spillage and general waste (e.g., cleaning residue) must be collected in containers approved for hazardous waste and handled by a waste contractor.</p>		

If yes, please state the CAS No., chemical name, and level (in ppm, % by weight or mg/kg). Also state whether the substance is contained in the form of an impurity or an added substance or if the above-mentioned exceptions apply.

--

O6 Classification of ingoing substances	YES	NO
Does the chemical product contain substances classified with any of the hazard phrases below? Including all combinations of stated exposure routes and stated specific effect. For example, H350 also covers classification H350i.		
H350 – Carcinogenic, Car 1A and 1B		
H351 – Carcinogenic, Carc. 2		
H340 – Germ cell mutagenic, Mut. 1A or 1B		
H341 – Germ cell mutagenic, Mut. 2		
H360 – Reproductive toxicity, Repr. 1A and 1B		
H361 – Reproductive toxicity, Repr. 2		
H362 – Reproductive toxicity, Lact.		
EUH380 - Endocrine disruption for human health, ED HH1		
EUH381 - Endocrine disruption for human health, ED HH2		
EUH431 - Endocrine disruption for the environment, ED ENV 1		
EUH431 - Endocrine disruption for the environment, ED ENV 2		
EUH440 - Persistent, Bioaccumulative and Toxic properties, PTB		
EUH411 - Very Persistent, Very Bioaccumulative properties, vPvB		
EUH450 - Persistent, Mobile and Toxic properties, PMT		
EUH451 - Very Persistent, Very Mobile properties, vPvM		
The following are exempted from the requirement: furfuryl alcohol (CAS 98-00-0) classified as Carc 2, H351.		

If yes, please state the CAS No., chemical name, and level (in ppm, % by weight or mg/kg). Also state whether the substance is contained in the form of an impurity or an added substance or if the above-mentioned exceptions apply.

--

O7 Prohibited substances	YES	NO
Does the chemical product contain any of the following substance groups?		
Substances on the Candidate List The Candidate List can be found on the ECHA website: http://echa.europa.eu/candidate-list-table		
Substances that have been judged in the EU to be PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative) PBT and vPvB in accordance with the criteria in Annex XIII of REACH		
Halogenated organic compounds Exemptions apply to preservatives in O9. However, not PFASs.		
Per- and polyfluoroalkyl substances (PFASs)		
Butylhydroxytoluene (BHT, CAS No. 128-37-0)		
Aziridine and polyaziridines		
Bisphenols and bisphenol derivatives - Bisphenol A used in the production of epoxy acrylate is not covered by the requirement. - Assessment of regulatory needs: Bisphenols. ECHA- 16 December 2021: Section 2.1: Bisphenols for which further EU RRM is proposed – restriction https://echa.europa.eu/documents/10162/c2a8b29d-0e2d-7df8-dac1-2433e2477b02		
APEO (alkylphenol ethoxylates) and APD (alkylphenol derivatives/alkylphenols) Alkylphenol derivatives are defined as substances that release alkylphenols when they break down.		
Phthalates - Phthalates are esters of 1,2-benzenedicarboxylic acid (orthophthalic acid).		
Pigments and additives based on lead, tin, cadmium, chromium VI and mercury, and their compounds.		
Endocrine disruptors: Substances on the EU member state initiative "Endocrine Disruptor Lists", List I, List II and List III, see following links: List I: https://edlists.org/the-ed-lists/list-i-substances-identified-as-endocrine-disruptors-by-the-eu List II: https://edlists.org/the-ed-lists/list-ii-substances-under-eu-investigation-endocrine-disruption List III: https://edlists.org/the-ed-lists/list-iii-substances-identified-as-endocrine-disruptors-by-participating-national-authorities Substances that are transferred to one of the corresponding sub-lists "Substances no longer on list" and that no longer feature on Lists I–III are not prohibited. However, this does not apply to the substances listed in Sub-List II that were evaluated on the basis of regulations or directives that do not have provisions for identifying endocrine disruptors (e.g., the Cosmetics Regulation). These substances may have endocrine disrupting properties. Nordic Ecolabelling will assess these substances on a case-by-case basis, based on the background information provided in sub-List II.		

If yes, please state the CAS No., chemical name, and level (in ppm, % by weight or mg/kg). Also state whether the substance is contained in the form of an impurity or an added substance or if the above-mentioned exceptions apply.

--

O8 Nanomaterials	YES	NO
Does the chemical product contain nanomaterials/-particles? Nanomaterials/-particles are defined according to the EU Commission Recommendation on the Definition of Nanomaterial (2022/C 229/01):		

O8 Nanomaterials	YES	NO
<p>'Nanomaterial' means a natural, incidental, or manufactured material consisting of solid particles that are present, either on their own or as identifiable constituent particles in aggregates or agglomerates, and where 50% or more of these particles in the number-based size distribution fulfil at least one of the following conditions:</p> <p>one or more external dimensions of the particle are in the size range 1 nm to 100 nm;</p> <p>the particle has an elongated shape, such as a rod, fibre or tube, where two external dimensions are smaller than 100 nm and the other dimension is larger than 100 nm;</p> <p>the particle has a plate-like shape, where one external dimension is smaller than 100 nm and the other dimensions are larger than 100 nm.</p>		
<p>The following are exempted from the requirement:</p> <p>Pigments. This exemption does not include pigments added for purposes other than colouring.</p> <p>Naturally occurring inorganic fillers in accordance with annex V point 7 in REACH.</p> <p>Synthetic amorphous silica (SAS). This applies to non-modified synthetic amorphous silica and surface-treated pyrogenic silica, as long as the silica particles form aggregates or agglomerates in the end product. For surface treated nanoparticles, the surface treatment must meet the chemical requirements in O31 (Classification of ingoing substances) and O32 (Prohibited substances).</p> <p>Polymer dispersions</p>		

If yes, please state the CAS No., chemical name, and level (in ppm, % by weight or mg/kg). Also state whether the substance is contained in the form of an impurity or an added substance or if the above-mentioned exceptions apply.

--

O9 Preservatives	YES	NO
Please state if content of preservatives exceeds the limit values below		
Preservative (PT-6)	Limit value	
Isothiazolinone compounds in total (dithio-2,2'-bis-benzmethylamide (DTBMA) is to be included in the total amount of isothiazolinones)	500 ppm (0.05% w/w)	
BIT (CAS no. 2634-33-5)	500 ppm (0.05% w/w)	
CIT/MIT (CAS no. 55965-84-9)	15 ppm (0.0015% w/w)	
MIT (CAS no. 2682-20-4)	15 ppm (0.0015% w/w)	

If yes, please state the CAS No., chemical name, and level (in ppm, % by weight or mg/kg). Also state whether the substance is contained in the form of an impurity or an added substance or if the above-mentioned exceptions apply.

--

O10 Volatile organic compounds	YES	NO
Does the chemical product contain more than 3% VOC, including VAH, by weight?		

O10 Volatile organic compounds	YES	NO
Any solvents that polymerise in the wood may be used if the degree of polymerisation is at least 95%. If there is any polymerisation of solvent in the wood, submit a report, documenting that the degree of polymerisation is at least 95%.		

If yes, please state the CAS No., chemical name, and level (in ppm, % by weight or mg/kg). Also state whether the substance is contained in the form of an impurity or an added substance or if the above-mentioned exceptions apply.

--

Signature of chemical product manufacturer

Date	Company
Signature by contact person	
Name of contact person	Phone