

Appendix 5 Additives used in the production of plastic, rubber, foam and recycled composite

To be used in conjunction with an application for a license for the Nordic Swan Ecolabelling of floor coverings and flooring underlays.

This appendix shall be completed and signed by the manufacturer of the additive based to the best of their knowledge at the given time, also based on information from raw material manufacturers, recipe, and available knowledge on the material with reservations for new advances and new knowledge. Should such new knowledge arise, the undersigned is obliged to submit an updated declaration to Nordic Ecolabelling.

This appendix shall be filled for additives to plastic, rubber, and foam (both virgin and recycled plastic) The requirement applies to additives actively added to the polymer raw material in the master batch or compound in production of plastic, rubber and foam. The requirement also covers substances that are added during re-compounding of recycled plastic, foam or rubber raw materials.

This appendix shall also be filled for additives used during recycled composite material production (e.g., pigments, UV-stabilizers and bonding agents). The appendix applies to additives actively added

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| Manufacturer of the additive: |
| Name of the additive: |
| Function of the additive: |

| O20/O22 Prohibited substances | | |
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| Does the material contain any of the following substance groups? | Yes | No |
| Substances on the Candidate List - The Candidate List can be found on the ECHA website: http://echa.europa.eu/candidate-list-table - Exemption applies to melamine (CAS No. 108-78-1) - D4 (CAS No. 556-67-2), D5 (CAS No. 541-02-6) or D6 (CAS No. 540-97-6) must only be included in the form of residues from raw material production and are allowed in concentrations up to 1000 ppm each in the silicone raw material. | <input type="checkbox"/> | <input type="checkbox"/> |
| CMR substances - Carcinogenic, Germ cell mutagenicity, Reproductive toxicity category 1A or B or category 2 (including all combinations of stated exposure route and stated specific effect) - An exemption is made for titanium dioxide (CAS No. 13463-67-7) classified H351 - An exemption is made for 1,1,1-Trimethylolpropane (TMP, CAS No. 77-99-6) classified H361 | <input type="checkbox"/> | <input type="checkbox"/> |
| Substances that have been judged in the EU to be PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative) | <input type="checkbox"/> | <input type="checkbox"/> |

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| - PBT and vPvB in accordance with the criteria in Annex XIII of REACH | | |
| Substances classified with hazard classes: | <input type="checkbox"/> | <input type="checkbox"/> |
| - EUH440 - Persistent, Bioaccumulative and Toxic properties, PBT | <input type="checkbox"/> | <input type="checkbox"/> |
| - EUH441 - Very Persistent, Very Bioaccumulative properties, vPvB | <input type="checkbox"/> | <input type="checkbox"/> |
| - EUH450 - Persistent, Mobile and Toxic properties, PMT | <input type="checkbox"/> | <input type="checkbox"/> |
| - EUH451 - Very Persistent, Very Mobile properties, vPvM | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 <i>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.</i> | <input type="checkbox"/> | <input type="checkbox"/> |
| Substances classified with hazard classes: | <input type="checkbox"/> | <input type="checkbox"/> |
| - EUH380, EUH381 - Endocrine disruption for human health, ED HH 1 or ED HH 2 | <input type="checkbox"/> | <input type="checkbox"/> |
| - EUH340, EUH341 - Endocrine disruption for the environment, ED ENV 1 or ED ENV 2 | <input type="checkbox"/> | <input type="checkbox"/> |
| Halogenated organic compounds, such as short-chain chlorinated paraffins (C10-C13), medium-chain chlorinated paraffins (C14-C17) and halogenated flame retardants, with the following exemptions: | <input type="checkbox"/> | <input type="checkbox"/> |
| - Halogenated organic pigments that comply with the Council of Europe recommendation "Resolution AP (89) 1 on the use of colorants in plastic materials coming into contact with food", point 2.5 | | |
| Per- and polyfluoroalkyl substances (PFASs), e.g., PFOA and PFOS | <input type="checkbox"/> | <input type="checkbox"/> |
| Butylhydroxytoluene (BHT, CAS No. 128-37-0) | <input type="checkbox"/> | <input type="checkbox"/> |
| Bisphenols and bisphenol derivatives. | <input type="checkbox"/> | <input type="checkbox"/> |
| - 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 | | |
| Organotin compounds | <input type="checkbox"/> | <input type="checkbox"/> |
| APEO (alkylphenol ethoxylates) and APD (alkylphenol derivatives/alkylphenols) | <input type="checkbox"/> | <input type="checkbox"/> |
| - Alkylphenol derivatives are defined as substances that release alkylphenols when they break down. - An exemption is made for sterically hindered phenolic antioxidants with molecular weight (MW) >600 g/mol. | | |
| Phthalates | <input type="checkbox"/> | <input type="checkbox"/> |
| - Phthalates are esters of 1,2-benzenedicarboxylic acid (orthophthalic acid). | | |
| Pigments, dyes, and additives based on lead, tin, cadmium, chromium VI and mercury, and their compounds. | <input type="checkbox"/> | <input type="checkbox"/> |
| Nanomaterials and nanoparticles | <input type="checkbox"/> | <input type="checkbox"/> |

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| - <i>Nanomaterials/-particles are defined according to the EU Commission Recommendation on the Definition of Nanomaterial (2022/C 229/01). Pigments are exempted from the requirement.</i> | | |
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If the answer to any of the above questions is Yes, state the CAS no. (where possible), 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. Please state also if the above-mentioned exceptions apply.

Signature of the manufacturer of the additive:

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| Date | Company |
| Signature by contact person | |
| Name of contact person | Phone |