

## 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

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

<b>O20/O22 Prohibited substances</b>		
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: <a href="http://echa.europa.eu/candidate-list-table">http://echa.europa.eu/candidate-list-table</a> - 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)  - PBT and vPvB in accordance with the criteria in Annex XIII of REACH	<input type="checkbox"/>	<input type="checkbox"/>

	Yes	No
<p>Substances classified with hazard classes:</p> <ul style="list-style-type: none"> <li>- EUH440 - Persistent, Bioaccumulative and Toxic properties, PBT</li> <li>- EUH441 - Very Persistent, Very Bioaccumulative properties, vPvB</li> <li>- EUH450 - Persistent, Mobile and Toxic properties, PMT</li> <li>- EUH451 - Very Persistent, Very Mobile properties, vPvM</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Endocrine disruptors: Substances on the EU member state initiative "Endocrine Disruptor Lists", List I, List II and List III, see following links:</p> <p>List I: <a href="https://edlists.org/the-ed-lists/list-i-substances-identified-as-endocrine-disruptors-by-the-eu">https://edlists.org/the-ed-lists/list-i-substances-identified-as-endocrine-disruptors-by-the-eu</a>  List II: <a href="https://edlists.org/the-ed-lists/list-ii-substances-under-eu-investigation-endocrine-disruption">https://edlists.org/the-ed-lists/list-ii-substances-under-eu-investigation-endocrine-disruption</a></p> <p>Butylated hydroxytoluene (BHT, CAS. no 128-37-0) is exempted up to 100 ppm in the additive.  List III: <a href="https://edlists.org/the-ed-lists/list-iii-substances-identified-as-endocrine-disruptors-by-participating-national-authorities">https://edlists.org/the-ed-lists/list-iii-substances-identified-as-endocrine-disruptors-by-participating-national-authorities</a></p> <p><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></p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Substances classified with hazard classes:</p> <ul style="list-style-type: none"> <li>- EUH380, EUH381 - Endocrine disruption for human health, ED HH 1 or ED HH 2</li> <li>- EUH340, EUH341 - Endocrine disruption for the environment, ED ENV 1 or ED ENV 2</li> <li>- According to lastly proposed revision of CLP regulation.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Halogenated organic compounds</p> <p>Exempted* are: Pigments that meet the EU's requirements concerning colourants in food packaging under Resolution AP (89) point 2.5 * Perfluorinated and polyfluorinated alkyl substances are covered by their own bulletin and are not included in this exemption.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Perfluorinated and polyfluorinated alkyl substances (PFAS)</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>34 bisphenols that have been identified by ECHA for further EU regulatory risk management that are known or potential endocrine disruptors for the environment or for human health, or that can be identified as toxic for reproduction.</p> <p>Assessment of regulatory needs: Bisphenols. ECHA – 16 December 2021: Section 2.1: Bisphenols for which further EU RRM is proposed – restriction  <a href="https://echa.europa.eu/documents/10162/c2a8b29d-0e2d-7df8-dac1-2433e2477b02">https://echa.europa.eu/documents/10162/c2a8b29d-0e2d-7df8-dac1-2433e2477b02</a></p> <ul style="list-style-type: none"> <li>- Bisphenol A used in the production of epoxy acrylate is not covered by the requirement.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
	Yes	No
<p>Organotin compounds</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>APEO (alkylphenol ethoxylates) and APD (alkylphenol derivatives/alkylphenols)</p> <ul style="list-style-type: none"> <li>- Alkylphenol derivatives are defined as substances that release alkylphenols when they break down.</li> <li>- An exemption is made for sterically hindered phenolic antioxidants with molecular weight (MW) &gt;600 g/mol.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>

Phthalates - Phthalates are esters of 1,2-benzenedicarboxylic acid (orthophthalic acid).	<input type="checkbox"/>	<input type="checkbox"/>
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 - 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.	<input type="checkbox"/>	<input type="checkbox"/>

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.

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Signature of the manufacturer of the additive:

Date	Company
Signature by contact person	
Name of contact person	Phone