

Appendix 3 Chemicals used in production and surface treatment of stoves/local space heaters

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 stoves/solid fuel local space heaters.

Name of the chemical product:
Function of the chemical product:

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.

O2 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. <i>For example, H350 also covers classification H350i.</i>		
H400 – Toxic to the environment Aquatic Acute 1	☐	☐
H410 – Toxic to the environment Aquatic Chronic 1	☐	☐
H411 – Toxic to the environment Aquatic Chronic 2	☐	☐
H412 – Toxic to the environment Aquatic Chronic 3	☐	☐

O2 Classification of chemical products used in the production	YES	NO
H413 – Toxic to the environment Aquatic Chronic 4	☐	☐
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	☐	☐
H370 – Specific organic toxicity, STOT SE 1	☐	☐
H371 - Specific organic toxicity, STOT SE 2	☐	☐
H372 – Specific organic toxicity, STOT RE 1	☐	☐
H334 - Resp. Sens. 1, 1A or 1B	☐	☐
H317 - Skin Sens. 1, 1A or 1B	☐	☐
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.	☐	☐
EUH380 - Endocrine disruption for human health, ED HH 1	☐	☐
EUH381 - Endocrine disruption for human health, ED HH 2	☐	☐
EUH430 - Endocrine disruption for the environment, ED ENV 1	☐	☐
EUH431 - Endocrine disruption for the environment, ED ENV 1	☐	☐
EUH440 - Persistent, bioaccumulative and toxic properties, PBT	☐	☐
EUH441 - Very persistent, very bioaccumulative properties, vPvB	☐	☐
EUH450 - Persistent, Mobile and Toxic properties, PMT	☐	☐

O2 Classification of chemical products used in the production	YES	NO
EUH451 - Very Persistent, Very Mobile properties, vPvMz	☐	☐
Exemptions apply to: • Paint/varnish used for surface treatment classified as H412, provided that the product is applied in a closed system and appropriate personal protective equipment is worn, in accordance with the protection requirements specified in the safety data sheet. • Hardeners for two-component paint/varnish classified as H317 provided that adequate safety equipment is used during mixing the hardener with the base component and that the final is applied in a closed system ventilated room.		

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.

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O3 Classification of ingoing substances in the chemical products	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. <i>For example, H350 also covers classification H350i.</i>		
H420 – Toxic to the environment Ozone	☐	☐
H372 – Specific organic toxicity, STOT RE 1	☐	☐
H334 - Resp. Sens. 1, 1A or 1B	☐	☐
H317 - Skin Sens. 1, 1A or 1B	☐	☐
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.	☐	☐
EUH380 - Endocrine disruption for human health, ED HH 1	☐	☐
EUH381 - Endocrine disruption for human health, ED HH 2	☐	☐
EUH430 - Endocrine disruption for the environment, ED ENV 1	☐	☐

O3 Classification of ingoing substances in the chemical products	YES	NO
EUH431 - Endocrine disruption for the environment, ED ENV 1	☐	☐
EUH440 - Persistent, bioaccumulative and toxic properties, PBT	☐	☐
EUH441 - Very persistent, very bioaccumulative properties, vPvB	☐	☐
EUH450 - Persistent, Mobile and Toxic properties, PMT	☐	☐
EUH451 - Very Persistent, Very Mobile properties, vPvM	☐	☐

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.

O4 Excluded substances	YES	NO
Does the chemical product contain any of the following substance or substance groups?		
Alkylphenols (AP) (e.g. butylated hydroxy anisole (BHA, CAS No. 25013-16-5), butylated hydroxytoluene (BHT, CAS No. 128-37-0), alkylphenol ethoxylates (APEOs) and other alkylphenol derivatives (APD)	☐	☐
Aziridine (CAS No. 151-56-4) and polyaziridines	☐	☐
Benzalkonium chlorides, such as CAS No. 8001-54-5 and CAS No. 63449-41-2	☐	☐
Bisphenols and bisphenol derivatives, defined as 34 bisphenols identified by ECHA ² for further EU regulatory risk management due to known or potential endocrine disruption or reproductive toxicity	☐	☐
Ethylenediamine tetraacetate (EDTA, CAS No. 60-00-4) and its salts and Diethylenetriamine pentaacetate (DTPA, CAS No. 67-43-6) and its salts	☐	☐
Halogenated organic compounds	☐	☐
Metals and metalloids: Lead (Pb), Cadmium (Cd), Mercury (Hg), Chromium (Cr(VI)) and Arsenic (As)	☐	☐
PBT and vPvB as defined in REACH Annex XIII, including those under ECHA PBT assessment https://echa.europa.eu/da/pbt	☐	☐
Per- and polyfluoroalkyl substances (PFAS)*	☐	☐

² EC/List No. 201-245-8 (BPA), 201-025-1 (BPB), 401-720-1 (4,4'-Isobutylethylidenediphenol), 216-036-7 (BPAF) and its 8 salts (278-305-5; 425-060-9; 443-330-4; 468-740-0; 469-080-6; 479-100-5; 943-265-6; 947-368-7), 201-250-5 (BPS), 201-240-0 (BPC), 204-279-1 (TBMD), 201-618-5 (6,6'-di-tert-butyl-4,4'-butylidenedi-m-cresol), 242-895-2, 248-607-1, 405-520-5 (D8), 217-121-1 (DAB), 227-033-5 (TMBPA), 210-658-2 (BPF), 411-570-9, 277-962-5 (contains BPS), 500-086-4 (contains BPA), 500-263-6 (contains BPA), 500-607-5 (contains BPA), 701-362-9, 904-653-0 (contains BPA), 908-912-9 (contains BPF), 926-571-4 (contains BPA), 931-252-8 (contains BPA), 941-992-3 (contains BPS), 943-503-9 (contains BPA).

[1] Assessment of regulatory needs: Bisphenols. ECHA – 16 December 2021: Section 2.1: Bisphenols for which further EU RRM is proposed <https://echa.europa.eu/documents/10162/5e60f2fe-12d0-7f6b-5868-f199cfd7f984>

O4 Excluded substances	YES	NO
* PFAS: as any substance that contains at least one fully fluorinated methyl (CF_3 -) or methylene ($-CF_2-$) carbon atom (without any H/Cl/Br/I attached to it).	☐	☐
Phthalates (Esters of 1,2-benzenedicarboxylic acid (orthophthalic acid))	☐	☐
Potential or identified endocrine disruptors, listed in any of the following "Endocrine Disruptor Lists" List I; II and III <i>Note: Substances moved to "Substances no longer on list" and not present on Lists I-III, are no longer excluded, except for those on sublist II where concern remains. Nordic Ecolabelling will assess these on a case-by-case basis.</i>	☐	☐
Quaternary ammonium compounds, that are not readily aerobic biodegradable** such as DTDMAC (CAS No. 61789-80-8), DSDMAC (CAS No. 107-64-2), DHTDMAC (CAS No. 61789-72-8) and DADMAC (CAS No. 7398-69-8) <i>** According to OECD test method 301 (A-F) or 310 or equivalent methods evaluated by an independent body and controlled by Nordic Ecolabelling.</i>	☐	☐
Substances on the REACH Candidate list of SVHC substances https://www.echa.europa.eu/candidate-list-table	☐	☐

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.

O5 Nanomaterials	YES	NO
Does the chemical product contain nanomaterials/-particles? <i>Nanomaterials/-particles are defined according to the EU Commission Recommendation on the Definition of Nanomaterial (2022/C 229/01): '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:</i> <i>(a) one or more external dimensions of the particle are in the size range 1 nm to 100 nm;</i> <i>(b) the particle has an elongated shape, such as a rod, fibre or tube, where two external dimensions are smaller than 1 nm and the other dimension is larger than 100 nm;</i> <i>(c) the particle has a plate-like shape, where one external dimension is smaller than 1 nm and the other dimensions are larger than 100 nm.</i>	☐	☐
The following are exempted from the requirement: • Pigments* • Naturally occurring inorganic fillers** • Unmodified synthetic amorphous silica • Polymer dispersion <i>* This exception does not include pigments added for purposes other than colour.</i> <i>*** This applies to fillers covered by Annex V item 7 of REACH</i>		

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 the manufacturer of the chemical product:

Date	Company
Signature by contact person	
Name of contact person	Phone