

Nordic Ecolabelling of

Industrial cleaning and degreasing agents

Version 2.5 • 13 October 2005 – 31 March 2016



Nordic Ecolabelling

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This document is a translation of an original in Danish. In case of dispute, the original document should be taken as authoritative.

065, industrial cleaning and degreasing agents, version 2.5, 15 May 2013

Addresses

In 1989, the Nordic Council of Ministers decided to introduce a voluntary official ecolabel, the Nordic Ecolabel. These organisations/companies operate the Nordic Ecolabelling system on behalf of their own country's government. For more information, see the websites.

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What is a Nordic Ecolabelled industrial cleaning and degreasing agent?

Nordic Ecolabelled industrial cleaning and degreasing agents are amongst the least environmentally harmful products in their category, since they meet a number of environmental requirements.

The main environmental problems associated with the use of industrial cleaning and degreasing agents are the release of environmentally harmful substances into the surrounding environment, generally via treatment plants, to water and into the atmosphere. Imposing requirements on the ingredients in the products allows the impact on the external environment to be limited.

The criteria impose general requirements on the product. These requirements relate to, for example health classification, the content of environmentally harmful substances and requirements relating to various substance groups and requirements relating to degradability. Moreover, requirements are imposed on the effectiveness of the product and on quality assurance.

Why choose the Nordic Ecolabel?

- The manufacturer may use the Nordic Ecolabel trademark for marketing of the product. The Nordic Ecolabel, the Swan, is a very well-known and well-reputed trademark in the Nordic region.
- The Nordic Ecolabel is a cost-effective and simple way of communicating environmental work and commitment to customers and suppliers.
- Environmentally suitable operations prepare the manufacturer for future environmental legislation.
- Environmental issues are complex. It can take a long time and extensive resources to gain an understanding of a specific area. Nordic Ecolabelling can be seen as aid in this work.
- The Nordic Ecolabel not only covers environmental issues but also quality requirements, since the environment and quality often go hand in hand. This means that a Nordic Ecolabel licence can also be seen as a mark of quality.

What can carry the Nordic Ecolabel?

Cleaning and degreasing agents for indoor use on industrial production premises and on industrial production equipment may be Nordic Ecolabelled. The products must primarily be capable of removing oil residues, wax, grease, dirt, dust and, where applicable, rust. The products must primarily be marketed to professional users.

The criteria do not encompass products for personal hygiene, car and boat care products. The criteria do not encompass cleaning products that specifically are intended for use in food or pharmaceutical industry or products such as all-purpose cleaners and cleaners for sanitary facilities.

Nordic Ecolabelling also has criteria for other types of cleaning agents. For products that cannot be Nordic Ecolabelled in accordance with this document, please refer to Nordic Ecolabelling's other criteria documents. Please feel free to contact us for further information, addresses are listed on page 2.

How to apply

Applications must be based on "Rules on Nordic Ecolabelling", 12 December 2001 or later versions, and the requirements contained in this document.

Each requirement is marked with the letter R (requirement) and a number. All requirements must be fulfilled to be awarded a license.

The requirements section can also be used as a checklist. Each requirement is followed by two checkboxes **Yes** **No** to indicate whether the requirement is met.

Icons in the text

The text describes how the applicant shall demonstrate fulfilment of each requirement. There are also icons in the text to make this clearer. These icons are:

☒ Enclose

📍 The requirement is checked on site

Documentation of chemical requirements

Where documentation requirements contain references to the DID list (see Appendix 4), information taken from the DID list dated January 2007 or later must be used. In the case of substances not included on the list, the documentation must specify the test method applied and the conclusion reached and may take the form of, for example, a copy of a test report or data from the literature.

Application

The application shall be sent to Nordic Ecolabelling in the country in which the products are sold. See page 2 for addresses. The application documents comprise an application form and documentation demonstrating fulfilment of the requirements (specified in the criteria).

Further information and assistance may be available. Visit the Nordic Ecolabelling web sites for contact information, see page 2.

On-site inspection

Before a license is granted, Nordic Ecolabelling performs an on-site inspection to ensure adherence to the requirements. For such an inspection, data used for calculations, original copies of submitted certificates, test records, purchase statistics, and similar documents that support the application must be available for examination.

Costs

An application fee is charged to companies applying for a license. There is an additional annual fee based on the turnover of the Nordic Ecolabelled products.

Enquiries

Please contact Nordic Ecolabelling if you have any queries or require further information. See page 2 for addresses.

The background document can be required from Nordic Ecolabelling.

1 Environmental requirements

1.1 Classification of the product

Are the requirements met?

R1 Classification

Yes No

Substances that are carcinogenic, mutagenic or toxic for reproduction may not be included in the product. Furthermore, industrial cleaning and degreasing agents must not be classified in any of the hazard categories in the table below.

Table 1. Classification of products

Hazard Class	Hazard code and hazard statement (Regulation 1272/2008 ¹)	Corresponding Hazard Designation and risk phrase (Directive 67/548/EEC ²)
Hazardous to the aquatic environment	Aquatic Acute 1 H400 Aquatic Chronic 1-4 H410, H411, H412, H413	Dangerous for the environment (N) / (-) R50, R52, R53 R50/53, R51/53, R52/53
Acute toxicity	Acute tox. 1-4 H300, H301, H302 H310, H311, H312 H330, H331, H332	Harmful to health (Xn) R20, R21, R22, R65 Toxic (T) R23, R24, R25 Highly Toxic (T+) R26, R27, R28
Respiratory/skin sensitization	Resp. Sens. 1 H334 Skin Sens. 1 H317	Harmful to health (Xn) R42 Sensitizing (Xi) R43
Explosive	Explosives – Unstable Explosive, H200 Unstable explosive Explosives – Division 1.1, H201 Explosive; mass explosion hazard Explosives – Division 1.2, H202 Explosive; severe projection hazard Explosives – Division 1.3, H203 Explosive; fire, blast or projection hazard Explosives – Division 1.4, H204 Fire or projection hazard Organic Peroxides Type A, H240 Heating may cause an explosion Organic Peroxides Type B, H241 Heating may cause a fire or explosion Self-reactive substances and Mixtures Type A, H240 Heating may cause an explosion Self-reactive substances and Mixtures Type B, H241 Heating may cause a fire or explosion	E, R2 Risk of explosion by shock, friction, fire or other sources of ignition E, R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition
Highly flammable	Flammable Gases Category 1, H220 Extremely flammable gas Flammable Aerosols Category 1, H222 Extremely flammable aerosol Flammable Liquids Category 1, H224 Extremely flammable liquid and vapour	Fx, R12 Highly flammable
Very flammable	Catches fire spontaneously if exposed to air, Pyr. Liq. 1, H250 Catches fire spontaneously if exposed to air, Pyr. Sol. 1, H250	F F; R17 (liquid) F; R17 (solid)

¹ Applicable from Dec. 2010

² Applicable during the transition to Regulation 1272/2008 from Dec. 2010 until June 2015

Exemption: cleaning products that are sensitizing (Xi) or corrosive (C) with R34, R35, R36, R37, R38 and/or R4 are possible to label with the Nordic Ecolabel.

Please note that the manufacturer of the raw material/product is responsible for classification.

- Product safety data sheets for the product in accordance with the applicable legislation in the country where the application is made, for example Appendix II in REACH (Directive 1907/2006/EF). Appendix No _____
- Product safety data sheets for all the ingoing rawmaterials in the product in accordance with the applicable legislation in the country where the application is made, for example Appendix II in REACH (Directive 1907/2006/EF). Appendix No _____

1.2 Environmentally harmful substances

Are the requirements met?

R2 Harmfulness to the environment

Yes No

The content of substances classified as environmentally hazardous (according to Regulation 1272/2008 and Directive 67/548/EEC, respectively) with the beneath hazard statements/risk phrases must not be present in the product in quantities in excess of the following:

Table 2

Classification of the substance	Maximum permitted quantity (weight percentage in the concentrated product)
R 50/53 (H410)	0.04%
R51/53 + R 52/53 (H411+H412)	0.04%
R 50 (H400)	5.00%

R50: Very toxic to aquatic organisms (H400: Aquatic Acute 1); R50/53: very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (H410 Hazardous for the aquatic environment. Category: Chronic 1); R51/53: toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (H411 Hazardous for the aquatic environment. Category: Chronic 2); R52/53: harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (H413 Hazardous for the aquatic environment. Category: Chronic 3).

Surfactants classified with H412 are exempted from the requirement, provided that they are readily degradable* and anaerobically degradable**.

* In accordance to the DID-list or test method No. 301 A-F or No. 310 in OECD guidelines for testing of chemicals or other equivalent test methods.

** In accordance to the DID-list or ISO 11734, ECETOC No. 28 (June 1988) or other equivalent test methods, where a minimum of 60% degradability under anaerobic conditions is achieved.

If no details of a substance's environmental properties are available it is considered a "worst case" environmental hazard with classification R50/53 (H410).

- Declaration of surfactants that are exempted from the requirement (quantity, classification, degradability). Appendix no. _____
- Declaration that the above requirement has been fulfilled (see Appendix 2): Appendix no. _____
- Complete formula showing all chemical substances, unambiguously declared, giving the name and, if applicable, CAS number, the function the substance performs and the quantity in which it is present (see Table 3). Appendix no. _____
- Product safety data sheets for the each ingoing rawmaterial with in accordance with information regarding the substance's environmental harmfulness (acute aquatic toxicity, degradability and/or bioaccumulative properties) also see the DID-list for degradeability (see R1). Appendix no. _____

Table 3

Trade name	Chemical name	CAS no./ EC no. list	Content in weight %	Function	Number in DID list

1.3 Chemical requirements

Are the requirements met?

R3 Surfactants, degradability

Yes No

All surfactants must be aerobically readily degradable in accordance with OECD test 301 A-F and anaerobically degradable in accordance with ISO 11734, the DID list or other approved scientific methods (see Appendix 4).

- For each surfactant, documentation must be submitted showing that the surfactant is aerobically readily biologically degradable and anaerobically degradable in accordance with the above requirement.

Appendix No _____

R4 LAS, APEO and APD

Yes No

Surfactants of the type linear alkylsulphonates (LAS), alkyl phenoethoxilates (APEO), derivatives of APEO, and alkyl phenol derivatives (APD) must not be present in the product.

- Declaration stating that LAS, APEO, derivatives of APEO, and APD are not present in the product (see Appendix 2).

Appendix No _____

R5 EDTA and DTPA

Yes No

The following complexing agents must not be present in the product or any of the ingredients: EDTA (ethylenediamine tetra acetate) and DTPA (diethylene triamine pentaacetate).

- Declaration stating that the requirement has been fulfilled (see Appendix 2).

Appendix no. _____

R6 NTA

Yes No

The complexing agent NTA (nitrilotriacetate) must not be added in the product.

Exemption for complexing agents such as MGDA and GLDA which may contain rests of NTA from the rawmaterial production in concentrations < 1,0 %, as long as the concentration in the final product is < 0,10 %).

- Declaration stating that the requirement has been fulfilled (see Appendix 2).

Appendix No _____

R7 Phosphorous and phosphonates

Yes No

Phosphorous and phosphonates must not be present in quantities in excess of 2.0 g P/litre of solution in use (calculated in terms of pure phosphorous, P).

Please note the restrictions on phosphorous contained in the Norwegian regulations.

Products containing more phosphor than what is accepted in the Norwegian legislation can not be sold or used in Norway or in areas with rules or prohibitions of phosphorous in detergents. Product control regulation: FOR 2004-06-01 nr 922: Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment. Section: 3-8. Detergents – phosphorous content.

- Calculation of the quantity of phosphorous and phosphonates added (calculated as elementary phosphorous, P) to the solution.

Appendix No _____

- R8 Organic halogen compounds** Yes No
 Ingredients containing organic halogen compounds (fluorine, chlorine and bromine) must not be present in the product except in the form of preservatives.
- Declaration stating that the requirement has been fulfilled (see Appendix 2). Appendix No _____
- R9 Solvents** Yes No
 The content of solvents with a vapour pressure of more than 2.5 kPa at 20 °C or an aromatic content in excess of 1% by weight in the finished products must not exceed a total maximum quantity of 1% by weight.
- Declaration stating whether or not solvents are present and documentation of the vapour pressure and/or aromatic content of any solvents that are present (e.g. in the form of product safety data sheets) (see Appendix 2). Appendix No _____
- R10 Phthalates** Yes No
 Phthalates must not be present in the product.
- Declaration stating that the requirement has been fulfilled (see Appendix 2). Appendix No _____
- R11 Preservatives, bioaccumulability** Yes No
 Preservatives may be added to liquid products provided that the preservative is not bioaccumulable. The preservative is not regarded as bioaccumulable if $BCF < 500$ or $\log K_{ow} < 4.0$. If information is available on both BCF and $\log K_{ow}$, the information on BCF must be used.
- Documentation on BCF or $\log K_{ow}$. Appendix No _____
- R12 Optimising of preservatives** Yes No
 The quantity of preservatives in the product must be optimal in relation to the volume of the product and a "Challenge test" must be performed (see Appendix 4) demonstrating this.
- Test report on the performance of a "Challenge test" showing the optimal use of preservatives. Appendix No _____
- R13 Biocides** Yes No
 Biocides may be added only as preservatives, not to disinfect surfaces washed with the product.
- Declaration stating that the product fulfils the requirement (see Appendix 2). Appendix no. _____
- R14 Dyestuffs** Yes No
 Dyestuffs and colouring agents may be added to liquid products provided that the dyestuff/colouring agent in question has been approved for use in foodstuffs or is not bioaccumulable. Colouring agents are not regarded as bioaccumulable if $BCF < 500$ or $\log K_{ow} < 4.0$. If information is available on both BCF and $\log K_{ow}$, the information on BCF must be used.
- Documentation for Colour Index (CI), BCF or $\log K_{ow}$ alternatively E-number. Appendix no. _____
- R15 Fragrance** Yes No
 Fragrance must not be present in the product.
- See R14. Appendix no. _____

1.4 Degradability

Are the requirements met?

R16 Non aerobically-readily degradable substances (aNBO)

Yes No

The content of organic substances (this does not include surfactants, for which separate requirements apply, see R4) that are not aerobically readily degradable in accordance with the requirements contained in Appendix 4, must not exceed 0.6 g/litre of solution in use.

- ☒
- Documentation must be submitted on all organic substances (apart from surfactants) showing that they are readily degradable, with a reference to the DID list or own data in accordance with appendix 4 (in the absence of documentation, substances will be viewed as non-readily degradable).
 - Calculation of the total quantity of non-readily degradable substances in the solution in use.

Appendix No _____

Appendix No _____

R17 Non-anaerobically degradable substances (anNBO)

Yes No

The content of organic substances (this does not include surfactants, for which separate requirements apply) that are not anaerobically degradable must not exceed 0.6 g/litre of solution in use.

Substances that are not anaerobically degradable in accordance with the requirements of Appendix 4 will be regarded as not anaerobically degradable. In the absence of documentation, substances will be regarded as non-anaerobically degradable unless they are readily degradable aerobically (in accordance with Appendix 4) and at the same time either

- have low adsorption ($A < 25\%$) or high desorption ($D > 75\%$) in accordance with OECD guideline No. 106, or
- are not bioaccumulable in accordance with the requirements of Appendix 4.

In the case of organic solvents incorporated in products that are not to be diluted before use, the following anNBO requirements apply: instead of the above requirements for anNBO, it is to be documented that they are aerobically degradable and have acute toxicity of > 100 mg/l for 3 trophic levels (fish, daphnids or algae) or acute toxicity of > 500 mg/l, if data are available only for 1 or 2 trophic levels.

- ☒
- In the case of all organic substances (besides surfactants), documentation is submitted in accordance with the above. This is done either by reference to the DID list or one's own data in accordance with Annex 4 or, if data is not available for the substance in the DID list, by the submission of tests in accordance with the above and test results (where documentation is lacking, the substance is classed as being non-anaerobically degradable, anNBO).
 - Calculation of the total quantity of non-readily degradable substances in the solution in use.

Appendix No _____

Appendix No _____

2 Effectiveness

Are the requirements met?

The effectiveness of the product must be satisfactory within the areas of use for which it is intended. This can be documented by fulfilling R18 or R19:

R18 User reports

Yes No

The effectiveness of the product must be documented by means of user reports (see Appendix 3). The product must be used by at least five relevant industrial users within the area of use of the product for a period of time that is representative of the frequency of use of the product, (i.e. the product must be used repeatedly).

- A minimum of five user reports (as formulated in Appendix 3) must be submitted by at least five relevant industrial users of the product. The user reports must show that all five users are satisfied with the product.

Appendix No _____

R19 Laboratory test

Yes No

The product must be tested using a test method, at a water temperature and on a type of soiling that are relevant to the area of use of the product and must be compared with a product that is already established on the market for use in the same area of application, and with clean water.

The product must be tested at the recommended dosage. If the product has more than one recommended dosage, tests must be performed at the lowest dosage (i.e. the highest dilution).

The test must be performed using a minimum of five parallels of the test product, the comparison product and water.

The quality requirement is that an average out of five parallel tests must show that the test product is better than or as good as the comparison product and better than pure water.

Nordic Ecolabelling must have approved the test description in advance of the test, and Nordic Ecolabelling must be given the opportunity to attend the performance of the test (i.e. the product must be used repeatedly).

- A laboratory test documenting satisfactory effectiveness (conclusion, description of test method and test results). The test description must be approved by Nordic Ecolabelling before performance of the test.

Appendix No _____

3 Packaging and information text

Are the requirements met?

R20 PVC in the packaging

Yes No

Packaging (including labels and caps) containing PVC or plastics based on other types of chlorinated materials must not be used.

- A completed and duly signed declaration (Appendix 2).

Appendix No _____

R21 Labelling of packaging

Yes No

In order to facilitate identification during recycling (where applicable), primary packaging made of plastic must be labelled in accordance with DIN 6120, Part 2 or the equivalent. However, caps and pumps are exempted from this requirement.

- See R20.

Appendix no. _____

R22 Information for users

Yes No

The information text on the packaging/in the product insert for the product must comply with the EU directive with regard to the declaration of contents (No 648/2004, Appendix VII). The product must be labelled correctly with regard to information on safety. If the product requires dilution prior to use, the recommended dosage for normal use/normal soiling must be specified, clearly, in the information text (e.g. number of dl, strokes of the pump or capfuls). The area of application of the product or product type must be specified clearly in the information text, and instructions for use must be provided for all areas of use of the product.

Applications must be in accordance with the area in which the product is tested.

If the product after usage is considered as environmentally hazardous waste (such as for example paint brush cleaner) the label needs to have information concerning disposal as hazardous waste.

The EU directive with regard to the declaration of content: Regulation (EC) No 648/2004 of the European Parliament and of the Council, appendix VII.

- ☒ Samples of written information about the product (product safety data sheets, product sheets and labels) showing the entire information text.

Appendix No _____

4 Quality and regulatory requirements

Are the requirements met?

R23 The Nordic Ecolabel licence person

Yes No

The company shall appoint a person responsible for ensuring the fulfilment of the Nordic Ecolabel requirements, and a contact person for communications with Nordic Ecolabelling.

- ☒ A chart of the company's organizational structure detailing who is responsible for the above.

Appendix No _____

R24 Documentation

Yes No

The licensee must be able to present a copy of the application, and factual and calculation data supporting the documents submitted on application (including test reports, documents from suppliers and suchlike).

- 🔍 Checked on site

R25 Quality of the product

Yes No

The licensee must guarantee that the quality of the Nordic Ecolabelled product is maintained throughout the validity period of the licence.

- ☒ Procedures for collating and, where necessary, dealing with claims and complaints regarding the quality of the Nordic Ecolabelled product.

Appendix No _____

R26 Planned changes

Yes No

Written notice must be given to Nordic Ecolabelling of planned changes that have a bearing on the Nordic Ecolabel requirements.

- ☒ Procedures detailing how planned changes are handled.

Appendix No _____

- R27** **Unplanned nonconformities** Yes No
- Unplanned nonconformities that have a bearing on Nordic Ecolabel requirements must be reported to Nordic Ecolabelling in writing and journalled.
- Procedures detailing how unplanned nonconformities are handled. Appendix No _____
-
- R28** **Traceability** Yes No
- The licensee must have a traceability system for the production of the Nordic Ecolabelled product. The term 'traceability' means that the product must be traceable via batch no., formulation, raw materials, etc.
- Description of/procedures for the fulfilment of the requirement. Appendix No _____
-
- R29** **Take-back system** Yes No
- Relevant national regulations, legislation and/or agreements within the sector regarding the recycling systems for products and packaging shall be met in the Nordic countries in which the Nordic Ecolabelled products are marketed.
- Declaration from the applicant regarding adherence to existing recycling/ take-back agreements. Appendix No _____
-
- R30** **Legislation and regulations** Yes No
- The licensee must guarantee adherence to safety regulations, working environment legislation, environmental legislation and conditions/concessions specific to the operations at all sites where the Nordic Ecolabelled product is manufactured.
- Signed application form. Nordic Ecolabelling may revoke the license if the requirement is not fulfilled. Appendix No _____
-
- R31** **Marketing** Yes No
- Marketing of the Nordic Ecolabelled industrial cleaning or degreasing agent must comply with "Regulations for the Nordic Ecolabelling of products", 22 June 2011 or later versions.
- Appendix 1 duly completed. Appendix no. _____

Marketing

The Nordic Ecolabel, the Swan, is a very well-known and well-reputed trademark in the Nordic region. Nordic Ecolabelled products and services may be marketed using the Swan so long as the associated licence is valid.

The label must be positioned so that there is no doubt as to what the label refers and so that it is clear that the product is Ecolabelled.

More information on marketing can be found in "Regulations for the Nordic Ecolabelling of products", 22 June 2011 or later versions.

Design of the Nordic Ecolabel

Design of the Nordic Ecolabel:



Licence number

Each license has a unique license number that must be displayed along with the label. The label can be placed on the packaging material, the product sheet or on the safety data sheet.

More information on the design of the label can be found in "Regulations for the Nordic Ecolabelling of products", 22 June 2011 or later versions.

Sales in other Nordic countries

Registering a license in another Nordic country allows the Nordic Ecolabel to be used on a larger market. The following must be submitted to Nordic Ecolabelling:

- Application form indicating the Nordic countries in which the product shall be registered incl. estimated annual sales in each country* or.
- A separate registration application.
- Product label or packaging in the local language.
- Documentation indicating for which recycling system the product is designed.
- A confirmation that the content and packaging are identical to the information provided at the time the licence was awarded.

- Name of supplier/distributor in the country of registration in case it is not the licenseholder.

**If the applicant applies for registration in other Nordic countries at the same time as applying for the license, no further material needs to be forwarded for the registration. Nordic Ecolabelling will ensure that the relevant informations are collected and forwarded to the relevant Nordic secretariates.*

Registration is free of charge but an annual fee shall be paid in accordance with the national regulations.

Follow-up inspections

Nordic Ecolabelling may decide to check whether the product fulfils Nordic Ecolabel requirements during the license period. This may involve a site visit, random sampling or similar test.

The license may be revoked if it is evident that the product does not meet the requirements.

How long is a license valid?

Nordic Ecolabelling adopted the criteria for Industrial cleaning and degreasing agents, version 2.0, on 13 October 2005. The criteria are valid until 31 October 2009.

On 10 June 2008 the Secretariat Directors decided to prolong the criteria document with one year. The new version is called 2.1 and is valid until 31 October 2010.

On 8 June 2009 the Nordic Ecolabelling Board decided to prolong the criteria document with two years. The new version is called 2.2 and is valid until 31 October 2012.

On 13 September 2011 the Secretariat Directors decided to prolong the criteria document with 20 months. The new version is called 2.3 and is valid until 30 June 2014.

On 12 December 2012 the Nordic Ecolabelling Board adopted a change in R2. The new version is called 2.4.

On 15 May 2013 the Secretariat Managers Meeting decided to prolong the criteria document with 21 months. The new version is called 2.5 and is valid until 31 March 2016.

The Ecolabel license is valid providing the criteria are fulfilled and until the criteria expire. The validity period of the criteria may be extended or adjusted, in which case the license is automatically extended and the licensee informed.

Revised criteria shall be published at least one year prior to the expiry of the present criteria. The licensee is then offered the opportunity to renew their license.

Future criteria

In future criteria, consideration will be given to the inclusion of the following requirements:

- the need to review the definition of the product group
- the need to extend the product group
- the need to increase the stringency of the chemical requirements
- the need to amend the requirements relating to complexing agents

Abbreviations

aNBO	Not aerobically degradable
anNBO	Not anaerobically degradable
APD	alkylphenol derivatives
APEO	alkylphenolethoxylates
BCF	Biological Concentration Factor
DIN	Deutsches Institut für Normung e.V.
DTPA	diethylene triamine pentaacetate
EDTA	ethylenediamine tetraacetate
GLP	Good Laboratory Practice
LAS	Linear alkylsulphonates
NTA	nitrilotriacetate
OECD	Organisation for Economic Cooperation and Development
P	phosphorous
PVC	polyvinyl chloride
ToxI	Toxicity Index

Appendix 1 Marketing of Nordic Ecolabelled industrial cleaning and degreasing agents

We hereby certify that we are well acquainted with the regulations governing the use of the Nordic Ecolabel, as detailed in "Regulations for the Nordic Ecolabelling of products", 22 June 2011 or later versions. We agree to follow these regulations when marketing the Nordic ecolabelled industrial cleaning and degreasing agents.

Further, we confirm that we are familiar with the criteria document regarding the Nordic ecolabelling of industrial cleaning and degreasing agents.

We undertake to advise those individuals within the company involved in marketing the Nordic Ecolabelled products of the criteria for the Nordic ecolabelling of industrial cleaning and degreasing agents and "Regulations for the Nordic Ecolabelling of products", 22 June 2011 or later versions.

Place and date

Company

Contact person

Phone

Marketing director

Phone

In case of a change in personnel, a new declaration must be submitted to Nordic Ecolabelling.

Appendix 2 Declarations

Name of the product:
The area of application of the product:
Marketing of the product is targeted at the following industries:

- Does the product contain substances labelled R50 (H400), R50/53 (H410), R51/53 (H411) or R52/53 (H412)? Yes No
 If yes, specify which and quantity and classification: Appendix no. _____
- Does the product contain LAS, APEO, derivatives of APEO or APD? Yes No
- Does the product contain phosphorous or phosphonates? Yes No
 If yes, specify quantity of P added: _____ g P/litres solution in use
- Does the product or any of its ingredients contain EDTA and/or DTPA? Yes No
- Does the product or any of its ingredients contain NTA? Yes No
 If yes, specify in which and weight in % of the concentrated product: Appendix no. _____
- Does the product contain organic halogen compounds? Yes No
- Does the product contain phthalates? Yes No
- Does the product contain solvents? Yes No
 If yes, specify which, their quantity and vapour pressure: Appendix no. _____
- Does the product contain preservatives? Yes No
 If yes, note the logKow or BCF: _____
- Is the quantity of preservative added to the product optimal in relation to the volume of the product? Yes No
- Does the product contain a biocide? Yes No
 If yes, has the biocide been added to preserve the product?
- Does the product contain dyestuffs? Yes No
 If yes, note the E-number, log Kow, BCF or Cl: _____
- Does the product contain fragrance? Yes No
- Does the packaging (including labels) contain PVC or plastics based on other types of chlorinated materials? Yes No
- Is plastic primary packaging labelled in accordance with DIN6120, part 2 or the equivalent (caps and pumps are exempted from this requirement)? Yes No

Date

Company

Authorised signatory

Repeat in block capitals

Appendix 3 Declaration of product effectiveness

Full name of the product:
Manufacturer:
Area of application:

Dosage in accordance with the manufacturer's recommendation:

Yes No

If no, specify dosage: _____

How long has the product been used? _____

The undersigned hereby declares that the cleaning effectiveness of the above product fulfilled our requirements:

Yes No

Company:	
Address:	
Contact person:	
Title:	
Telephone:	
E-mail:	
Date	Signature

Appendix 4 Analysis and control

Requirements on test institute/analysis laboratory

Sampling must be carried out in a competent way. The test institute/analysis laboratory must be impartial and competent. Raw data must be available for inspection by the ecolabelling organisation throughout the validity period of the licence.

The analysis laboratory shall fulfil the general requirements in accordance with the standard DS/EN/ISO/IEC 17025, or be an official GLP-approved analysis laboratory. The applicant shall bear the costs of documentation and analysis.

The manufacturer's laboratory may be approved for performance testing the producer has a quality system where testing is included and that is certified in accordance to ISO 9001 or ISO 9002.

The manufacturer's own laboratory can, after prior assessment of the ecolabelling organisation, be used to document the fact that the requirements concerning effectiveness have been met.

Ease of biodegradability, aerobic

For testing ease of biodegradability use test method No. 301 (A to F) in OECD guideline for testing of chemicals (ISSN 1607-310X) or other equivalent test methods.

Biodegradability, anaerobic

For anaerobic degradability use ISO 11734, ECETOC No. 28 (June 1988) or equivalent test methods. The requirement is a minimum of 60% degradability under anaerobic conditions.

Bioaccumulability

Unless evidence to the contrary is submitted, substances will be regarded as bioaccumulable if $\log K_{ow} \geq 4$ in accordance with OECD guidelines for testing 107 or 117 or the equivalent. The bioaccumulability of a substance of this nature may be tested on fish according to OECD guideline for testing of chemicals, 305 A-E. If the bioconcentration factor is ≥ 500 , the substance will be regarded as bioaccumulable, and if $BCF < 500$, the substance will be regarded as non-bioaccumulable.

Please note that the OECD guidelines specify a higher BCF, whereas Nordic Ecolabelling has chosen to follow the line laid down in the EU, see the paragraph in its entirety.

OECD test guideline 107 cannot be applied to surface-active substances with both grease and water solubility properties. In the case of such substances documentation must be submitted demonstrating to a high degree of certainty based on current knowledge that the substances and their degradation products do not represent a long-term hazard to organisms in the aquatic environment.

Challenge test

Challenge test is a generic term for tests for determining the correct quantity of preservative in a product. Typically the manufacturer of the preservative will perform the test and determine which test should be used.

Performance of a Challenge Test (showing the survival of bacteria, yeast and mould at various concentrations of the preservative to determine the optimum concentration of the product) must be documented with the aid of test reports from the development cooperation or equivalent.

The DID list

The DID list (Detergent Ingredient Database) is the official chemical list of the Nordic Ecolabel and the EU Ecolabel and is available from the ecolabelling organisation. For these criteria the DID list of January 2007 or subsequent versions apply.