



SLOVENSKI STANDARD
SIST EN ISO 15181-1:2004

01-julij-2004

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Paints and varnishes - Determination of release rate of biocides from antifouling paints -
Part 1: General method for extraction of biocides (ISO 15181-1:2000)

Beschichtungsstoffe - Bestimmung der Auswaschrates von Bioziden aus Antifouling-
Beschichtungen - Teil 1: Allgemeines Verfahren zur Extraktion von Bioziden (ISO 15181-
1:2000)

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Peintures et vernis - Détermination du taux de lixiviation des biocides contenus dans la
peinture antisalissure - Partie 1: Méthode générale d'extraction des biocides (ISO 15181-
1:2000)

Ta slovenski standard je istoveten z: EN ISO 15181-1:2004

ICS:

87.040 Barve in laki Paints and varnishes

SIST EN ISO 15181-1:2004 en

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English version

Paints and varnishes - Determination of release rate of biocides
from antifouling paints - Part 1: General method for extraction of
biocides (ISO 15181-1:2000)

Peintures et vernis - Détermination du taux de lixiviation
des biocides contenus dans la peinture antisalissure -
Partie 1: Méthode générale d'extraction des biocides (ISO
15181-1:2000)

Beschichtungsstoffe - Bestimmung der Auswaschrates von
Bioziden aus Antifouling-Beschichtungen - Teil 1:
Allgemeines Verfahren zur Extraktion von Bioziden (ISO
15181-1:2000)

This European Standard was approved by CEN on 8 April 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of ISO 15181-1:2000 has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15181-1:2004 by Technical Committee CEN/TC 139 "Paints and varnishes", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 15181-1:2000 has been approved by CEN as EN ISO 15181-1:2004 without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

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Annex ZA (normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN</u> | <u>Year</u> |
|--------------------|-------------|--|--------------|-------------|
| ISO 2808 | 1997 | Paints and varnishes - Determination of film thickness | EN ISO 2808 | 1999 |
| ISO 3696 | 1987 | Water for analytical laboratory use - Specification and test methods | EN ISO 3696 | 1995 |
| ISO 15528 | 2000 | Paints, varnishes and raw materials for paints and varnishes - Sampling | EN ISO 15528 | 2000 |

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**Paints and varnishes — Determination of
release rate of biocides from antifouling
paints —**

Part 1:

General method for extraction of biocides

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*Peintures et vernis — Détermination du taux de lixiviation des biocides
contenus dans la peinture antisalissure —*

Partie 1: Méthode générale d'extraction des biocides

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Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.ch
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 15181 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 15181-1 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

ISO 15181 consists of the following parts, under the general title *Paints and varnishes — Determination of release rate of biocides from antifouling paints*:

- Part 1: *General method for extraction of biocides*
- Part 2: *Determination of copper-ion concentration in the extract and calculation of the release rate*

Annex A forms a normative part of this part of ISO 15181.