

Chemicals used for treatment of swimming pool water - Ozone

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15074:2006 sisaldab Euroopa standardi EN 15074:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.06.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15074:2006 consists of the English text of the European standard EN 15074:2006.</p> <p>This document is endorsed on 29.06.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard is applicable to ozone used for treatment of water for swimming pools. It describes the composition of ozone. It gives information on its use in swimming pool water treatment. It also determines the rules relating to safe handling and use (see Annex B).</p>	<p>Scope:</p> <p>This European Standard is applicable to ozone used for treatment of water for swimming pools. It describes the composition of ozone. It gives information on its use in swimming pool water treatment. It also determines the rules relating to safe handling and use (see Annex B).</p>
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ICS 13.060.25

Võtmesõnad:

ICS 71.100.80

English Version

Chemicals used for treatment of swimming pool water - Ozone

Produits chimiques utilisés pour le traitement de l'eau des
piscines - Ozone

Produkte zur Aufbereitung von Schwimm- und
Badebeckenwasser - Ozon

This European Standard was approved by CEN on 13 April 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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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

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Foreword

This document (EN 15074:2006) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

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 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

In respect of potential adverse effects on the quality of water for swimming pools, caused by the product covered by this European Standard:

- a) this European Standard provides no information as to whether the products may be used without restriction in any of the Member States of the EU or EFTA;
- b) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of these products remain in force.

NOTE Conformity with the European Standard does not confer or imply acceptance or approval of the products in any of the Member States of the EU or EFTA. The use of the product covered by this European Standard is subject to regulation or control by National Authorities.

1 Scope

This European Standard is applicable to ozone used for treatment of water for swimming pools. It describes the composition of ozone. It gives information on its use in swimming pool water treatment. It also determines the rules relating to safe handling and use (see Annex B).

2 Normative reference

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1278 *Chemicals used for treatment of water intended for human consumption – Ozone*

3 Description

The identification, the form, the physical properties and the chemical properties are given in the relevant clauses of EN 1278.

4 Purity criteria

4.1 Composition of product

Typical concentrations obtainable in air are in the range of 15 g/m³ to 45 g/m³ at Normal Temperature and Pressure, 273 K and 101,3 kPa (NTP).

The ozone concentration obtained under specified operating conditions shall be equal to or greater than the value declared by the manufacturer of the ozone generator.

4.2 Impurities and main by-products

Traces of nitrogen oxides can be formed during ozone generation.

5 Test methods

The method for determination of ozone concentration is described in EN 1278.

6 Labelling - Transportation - Storage

6.1 Labelling

Not applicable, except for safety instructions inside users' premises.

6.2 Material acceptable for contact with ozone

For local buffer storage of brief duration and also in case of recycling of the process gas, stainless steel is preferable. Magnesium containing alloys shall be avoided. Cast aluminium is satisfactory and polyvinylchloride (PVC) (hard, 1,6 MPa standard) can be convenient if the plasticizer content is low but some formulations can