

Chemicals used for treatment of swimming pool water - Sodium hydroxide

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15076:2006 sisaldab Euroopa standardi EN 15076:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.08.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15076:2006 consists of the English text of the European standard EN 15076:2006.</p> <p>This document is endorsed on 30.08.2006 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: This European Standard is applicable to sodium hydroxide solution used directly or for the production of formulations for treating swimming pool water. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium hydroxide. It gives information on its use for treating swimming pool water and determines the rules relating to safe handling and use (see Annex B).</p>	<p>Scope: This European Standard is applicable to sodium hydroxide solution used directly or for the production of formulations for treating swimming pool water. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium hydroxide. It gives information on its use for treating swimming pool water and determines the rules relating to safe handling and use (see Annex B).</p>
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ICS 71.100.80

Võtmesõnad:

ICS 71.100.80

English Version

Chemicals used for treatment of swimming pool water - Sodium hydroxide

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

Produkte zur Aufbereitung von Schwimm- und Badebeckenwasser - Natriumhydroxid

This European Standard was approved by CEN on 5 June 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.

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



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Foreword

This document (EN 15076:2006) 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 January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

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 intended for swimming pools caused by the product covered by this European Standard:

a) this European Standard provides no information as to whether the product 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 this product remain in force.

NOTE Conformity with this European Standard does not confer or imply acceptance or approval of the product 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 sodium hydroxide solution used directly or for the production of formulations for treating swimming pool water. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium hydroxide. It gives information on its use for treating swimming pool water and 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 896, *Chemicals used for treatment of water intended for human consumption — Sodium hydroxide.*

3 Description

The identification, commercial form, physical properties and chemical properties are given in the relevant sub-clauses of EN 896.

4 Purity criteria

4.1 General

This European Standard specifies the minimum purity requirements for sodium hydroxide used for treating swimming pool water. Limits are given for impurities commonly present in this product and depending on the raw material and the manufacturing process, other impurities may be present and if so, the user and when necessary, the relevant authorities shall be notified.

NOTE Users of this product should check the national regulations in order to clarify whether it is of appropriate purity for treating swimming pool water, taking into account water quality, required dosage, contents of other impurities and additives used in the product not stated in this product standard.

Limits have been given for impurities and trace elements where these are likely to be present in significant quantities from the current production process and raw materials. If the production process or raw materials leads to significant quantities of impure by-products or additives being present, the user shall be notified.

4.2 Composition of commercial product

The commercial product shall have a typical concentration for solutions of sodium hydroxide with a mass fraction of 50 % or 30 % and shall be in accordance within the manufacturer's declared values.

4.3 Impurities and main by-products

The contents of sodium chloride, sodium carbonate and sodium chlorate shall conform to the requirements specified in EN 896.

4.4 Chemical parameters

The contents of arsenic, cadmium, chromium, mercury, nickel, lead, antimony and selenium shall conform to the requirements specified in EN 896.