

BS EN 15513:2014



BSI Standards Publication

Chemicals used for treatment of swimming pool water — Carbon dioxide

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National foreword

This British Standard is the UK implementation of EN 15513:2014. It supersedes BS EN 15513:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/59, Chemicals for drinking water treatment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments issued since publication

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EUROPEAN STANDARD

EN 15513

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2014

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Supersedes EN 15513:2007

English Version

Chemicals used for treatment of swimming pool water - Carbon dioxide

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

Produkte zur Aufbereitung von Schwimm- und Badebeckenwasser - Kohlenstoffdioxid

This European Standard was approved by CEN on 5 January 2014.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Foreword

This document (EN 15513:2014) 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 September 2014 and conflicting national standards shall be withdrawn at the latest by September 2014.

This document supersedes EN 15513:2007.

The significant technical difference between this edition and EN 15513:2007 is as follows:

- Updating of 6.2 in line with current legislation.

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

WARNING – The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Introduction

With respect for potential adverse effects on the quality of swimming pool water, 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 carbon dioxide used for treatment of swimming pool water. It describes the characteristics of carbon dioxide and specifies the requirements and the corresponding test methods for carbon dioxide. It gives information on its use in swimming pool water treatment.

2 Normative references

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

EN 936, *Chemicals used for treatment of water intended for human consumption - Carbon dioxide*

3 Description

3.1 Identification

3.1.1 Chemical name

Carbon dioxide.

3.1.2 Synonym or common name

Carbonic acid gas (carbonic anhydride).

3.1.3 Relative molecular mass

44,011.

3.1.4 Empirical formula

CO₂.

3.1.5 Chemical formula

CO₂.

3.1.6 CAS Registry Number ¹⁾

124-38-9.

3.1.7 EINECS reference ²⁾

204-696-9.

1) Chemical Abstracts Service Registry Number.

2) European Inventory of Existing Commercial Chemical Substances.