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BS EN 900:2014



BSI Standards Publication

Chemicals used for treatment of water intended for human consumption — Calcium hypochlorite

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This British Standard is the UK implementation of EN 900:2014. It supersedes BS EN 900:2007 which is withdrawn.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.

© The British Standards Institution 2014. Published by BSI Standards Limited 2014

ISBN 978 0 580 80139 6

ICS 13.060.20; 71.100.80

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

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2014.

Amendments issued since publication

Date	Text affected
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EUROPÄISCHE NORM

July 2014

ICS 71.100.80

Supersedes EN 900:2007

English Version

Chemicals used for treatment of water intended for human consumption - Calcium hypochlorite

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine - Hypochlorite de calcium

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Calciumhypochlorit

This European Standard was approved by CEN on 22 May 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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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Contents	Page
Foreword.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Description	6
3.1 Identification.....	6
3.1.1 Chemical name.....	6
3.1.2 Synonym or common name.....	6
3.1.3 Relative molecular mass	6
3.1.4 Empirical formula.....	6
3.1.5 Chemical formula.....	7
3.1.6 CAS Registry Number)	7
3.1.7 EINECS reference)	7
3.2 Commercial form	7
3.3 Physical properties.....	7
3.3.1 Appearance	7
3.3.2 Density	7
3.3.3 Solubility in water	7
3.3.4 Vapour pressure	7
3.3.5 Boiling point at 100 kPa)	7
3.3.6 Melting point.....	7
3.3.7 Specific heat.....	7
3.3.8 Viscosity, dynamic.....	8
3.3.9 Critical temperature	8
3.3.10 Critical pressure.....	8
3.3.11 Physical hardness	8
3.4 Chemical properties	8
4 Purity criteria.....	8
4.1 General.....	8
4.2 Composition of commercial product	8
4.3 Impurities and main by-products	9
4.4 Chemical parameters	9
5 Test methods.....	9
5.1 Sampling.....	9
5.2 Analysis	10
5.2.1 Determination of calcium hypochlorite content (main product).....	10
5.2.2 Dissolution quality (available chlorine after 1 min).....	12
5.2.3 Impurities	13
5.2.4 Chemical parameters	14
6 Labelling - Transportation - Storage.....	16
6.1 Means of delivery	16
6.2 Labelling according to the EU legislation)	17
6.3 Transportation regulations and labelling	17
6.4 Marking	18
6.5 Storage.....	18

This is a preview of "BS EN 900:2014". [Click here to purchase the full version from the ANSI store.](#)

6.5.1	General	18
6.5.2	Long term stability	18
6.5.3	Storage incompatibilities	19
Annex A (informative) General information on calcium hypochlorite		20
A.1	Origin	20
A.1.1	Raw materials	20
A.1.2	Manufacturing process	20
A.2	Use	20
A.2.1	Function.....	20
A.2.2	Form in which it is used.....	20
A.2.3	Treatment dose	20
A.2.4	Means of application	20
A.2.5	Secondary effects.....	20
A.2.6	Removal of excess product.....	21
Annex B (normative) General rules relating to safety		22
B.1	Rules for safe handling and use	22
B.2	Emergency procedures.....	22
B.2.1	First aid.....	22
B.2.2	Spillage	22
B.2.3	Fire	22
Annex C (normative) Determination of arsenic, antimony and selenium (atomic absorption spectrometry hydride technique)		23
C.1	General principle	23
C.2	Interferences	23
C.3	Reagents.....	23
C.4	Apparatus	25
C.4.1	General	25
C.5	Procedure	27
C.5.1	Preparation of the apparatus	27
C.5.2	Preparation of calibration solutions.....	27
C.5.3	Preparation of test solutions and standard solutions	27
C.5.4	Determination of arsenic with sodium borohydride	27
C.5.5	Determination of selenium with sodium borohydride	28
C.5.6	Determination of antimony with sodium borohydride.....	28
C.6	Calculation	28
C.7	Repeatability limit.....	28
Annex D (informative) Environmental, health and safety precautions within chemical laboratory		29
Bibliography.....		30

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Foreword

This document (EN 900:2014) 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 January 2015, and conflicting national standards shall be withdrawn at the latest by January 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 900:2007.

Significant technical differences between this edition and EN 900:2007 are as follows:

- a) deletion of the maximum sodium chloride content and of its relevant method of determination;
- b) replacement of warning and safety precautions notes by labelling according to REGULATION (EC) No 1272/2008.

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.

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Introduction

With respect to potential adverse effects on the quality of water intended for human consumption 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 1 Conformity with this 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 products covered by this European Standard is subject to regulation or control by National Authorities.

NOTE 2 This product is a biocide and needs to comply with the relevant legislation in force. In the European Union, at the time of publication, this legislation is Directive 98/8/EC [1]).

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1 Scope

This European Standard is applicable to calcium hypochlorite used for the treatment of water intended for human consumption. It describes the characteristics of calcium hypochlorite and specifies the requirements and the corresponding test methods for calcium hypochlorite. It provides information on its use in water treatment. It also determines the rules relating to safe handling and use of calcium hypochlorite (see Annex B).

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 ISO 3696, *Water for analytical laboratory use - Specification and test methods (ISO 3696)*

EN ISO 12846:2012, *Water quality - Determination of mercury - Method using atomic absorption spectrometry (AAS) with and without enrichment (ISO 12846:2012)*

ISO 3165, *Sampling of chemical products for industrial use — Safety in sampling*

ISO 6206, *Chemical products for industrial use — Sampling — Vocabulary*

ISO 8213, *Chemical products for industrial use — Sampling techniques — Solid chemical products in the form of particles varying from powders to coarse lumps*

ISO 8288, *Water quality — Determination of cobalt, nickel, copper, zinc, cadmium and lead — Flame atomic absorption spectrometric methods*

ISO 9174, *Water quality — Determination of chromium — Atomic absorption spectrometric methods*

3 Description

3.1 Identification

3.1.1 Chemical name

Calcium hypochlorite.

3.1.2 Synonym or common name

None.

3.1.3 Relative molecular mass

142,99.

3.1.4 Empirical formula

Ca(ClO)₂.