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NSAI Standards

Irish Standard
I.S. EN 938:2016

Chemicals used for treatment of water intended for human consumption - Sodium chlorite

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I.S. EN 938:2016

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National Foreword

I.S. EN 938:2016 is the adopted Irish version of the European Document EN 938:2016, Chemicals used for treatment of water intended for human consumption - Sodium chlorite

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 938

May 2016

ICS 71.100.80

Supersedes EN 938:2009

English Version

Chemicals used for treatment of water intended for human consumption - Sodium chlorite

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

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Natriumchlorit

This European Standard was approved by CEN on 18 March 2016.

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Contents

Page

European 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 ... 6
3.1.6 CAS Registry Number ... 6
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 Crystallization point ... 7
3.3.7 Specific heat ... 8
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 ... 9
4.3 Impurities and main by-products ... 9
4.4 Chemical parameters ... 9
5 Test methods ... 10
5.1 Sampling ... 10
5.1.1 General ... 10
5.1.2 Sampling from drums and bottles ... 10
5.1.3 Sampling from tanks and tankers ... 10
5.2 Analysis ... 11
5.2.1 Determination of sodium chlorite (main product) ... 11
5.2.2 Impurities ... 12
5.2.3 Chemical parameters ... 15
6 Labelling - Transportation - Storage ... 17
6.1 Means of delivery ... 17
6.2 Labelling according to the EU Legislation ... 17

This is a free page sample. Access the full version online.

6.3 Transportation regulations and labelling ... 17
6.4 Marking ... 18
6.5 Storage ... 18
6.5.1 General ... 18
6.5.2 Long term stability ... 18
6.5.3 Storage incompatibilities ... 18

Annex A (informative) General information on sodium chlorite ... 19
A.1 Origin ... 19
A.1.1 Raw materials ... 19
A.1.2 Manufacturing process ... 19
A.2 Use ... 19
A.2.1 Function ... 19
A.2.2 Form in which it is used ... 19
A.2.3 Treatment dose ... 19
A.2.4 Means of application ... 19
A.2.5 Secondary effects ... 19
A.2.6 Removal of excess product ... 20
A.3 Routine analyses ... 20
A.3.1 Determination of sodium chlorite (NaClO2) ... 20
A.3.2 Determination of chlorate ion (ClO_3^-) ... 22
A.3.3 Determination of chemical parameters ... 23

Annex B (normative) General rules relating to safety ... 24
B.1 Rules for safe handling and use ... 24
B.2 Emergency procedures ... 24
B.2.1 First aid ... 24
B.2.2 Spillage ... 24
B.2.3 Fire ... 24

Annex C (normative) Determination of arsenic, antimony and selenium (atomic absorption spectrometry hydride technique) ... 25
C.1 Safety precautions ... 25
C.2 General principle ... 25
C.3 Interferences ... 25
C.4 Reagents ... 25
C.5 Apparatus ... 27
C.6 Procedure ... 29
C.6.1 Preparation of the apparatus ... 29
C.6.2 Preparation of calibration solutions ... 30
C.6.3 Preparation of test solutions and standard solutions ... 30
C.6.4 Determination of arsenic with sodium borohydride ... 30
C.6.5 Determination of selenium with sodium borohydride ... 30
C.6.6 Determination of antimony with sodium borohydride ... 31
C.7 Calculation ... 31

Bibliography ... 32

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European foreword

This document (EN 938:2016) 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 2016, and conflicting national standards shall be withdrawn at the latest by November 2016.

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 938:2009.

Significant technical differences between this edition and EN 938:2009 are as follows:

a) deletion of reference to EU Directive 67/548/EEC of June 27, 1967 in order to take into account the latest Regulation in force (see [2]);

b) use of the changed classification and labelling (see [2]).

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

In respect of 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 Conformity with the 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.

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1 Scope

This European Standard is applicable to sodium chlorite used for treatment of water intended for human consumption. It describes the characteristics of sodium chlorite and specifies the requirements and the corresponding test methods for sodium chlorite. It gives information on its use in 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 ISO 3696, *Water for analytical laboratory use — Specification and test methods (ISO 3696)*

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

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

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

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

Sodium chlorite.

3.1.2 Synonym or common name

None.

3.1.3 Relative molecular mass

90,44.

3.1.4 Empirical formula

$NaClO_2$.

3.1.5 Chemical formula

Na-O-Cl = O.

3.1.6 CAS Registry Number [1)]

7758-19-2.

1) Chemical Abstracts Service Registry Number.

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