



NSAI
Standards

Irish Standard
I.S. EN 882:2016

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

I.S. EN 882:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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National Foreword

I.S. EN 882:2016 is the adopted Irish version of the European Document EN 882:2016, Chemicals used for treatment of water intended for human consumption - Sodium aluminate

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

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EUROPEAN STANDARD

EN 882

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2016

ICS 71.100.80

Supersedes EN 882:2004

English Version

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

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

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Natriumaluminat

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

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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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	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	7
3.3.4 Vapour pressure	7
3.3.5 Boiling point at 100 kPa	7
3.3.6 Melting or 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	9
4.1 General.....	9
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 Solid.....	10
5.1.3 Liquid.....	10
5.2 Analyses	11
6 Labelling - Transportation - Storage	11
6.1 Means of delivery	11
6.2 Labelling in accordance with the EU legislation	11
6.3 Transportation regulations and labelling.....	12
6.4 Marking.....	13

6.5	Storage	13
6.5.1	General	13
6.5.2	Long term stability	13
6.5.3	Storage incompatibilities	13
Annex A (informative) General information on sodium aluminate		14
A.1	Origin	14
A.1.1	Raw materials	14
A.1.2	Manufacturing process	14
A.2	Quality of commercial product	14
A.3	Use	17
A.3.1	Function	17
A.3.2	Form in which it is used	17
A.3.3	Treatment dose	17
A.3.4	Means of application	18
A.3.5	Secondary effects	18
A.3.6	Removal of excess product	18
Annex B (normative) General rules relating to safety		19
B.1	Rules for safe handling and use	19
B.2	Emergency procedures	19
B.2.1	Accident	19
B.2.2	Spillage	19
B.2.3	Fire	19
Bibliography		20

EN 882:2016 (E)

European foreword

This document (EN 882:2016) 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 September 2016, and conflicting national standards shall be withdrawn at the latest by September 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 882:2004.

Significant technical differences between this edition and EN 882:2004 are as follows:

- a) addition of chemical names for aluminium sodium dioxide and for aluminium sodium tetrahydroxide;
- 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.

Introduction

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this document:

- a) this document 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 document 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 document is subject to regulation or control by National Authorities.

EN 882:2016 (E)**1 Scope**

This document is applicable to sodium aluminate used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of sodium aluminate and refers to the corresponding analytical methods. It gives information for its use in water treatment. It also determines the rules relating to safe handling and use of sodium aluminate (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 1302, *Chemicals used for treatment of water intended for human consumption - Aluminium-based coagulants - Analytical methods*

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*

3 Description**3.1 Identification****3.1.1 Chemical name**

Aluminium sodium oxide

Aluminium sodium dioxide

Aluminium sodium tetrahydroxide

3.1.2 Synonym or common name

Sodium aluminate

3.1.3 Relative molecular mass

82 for NaAlO_2 .

3.1.4 Empirical formula

NaAlO_2 0,1 $\text{Na}_2\text{O} \cdot n\text{H}_2\text{O}$ (n varies from 0,3 to 0,4)

3.1.5 Chemical formula

NaAlO_2

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