

Irish Standard I.S. EN 16370:2022

Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using membrane cells

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I.S. EN 16370:2022

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National Foreword

I.S. EN 16370:2022 is the adopted Irish version of the European Document EN 16370:2022, Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using membrane cells

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EUROPEAN STANDARD

EN 16370

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2022

ICS 71.100.80

Supersedes EN 16370:2013

English Version

Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using membrane cells

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine - Chlorure de sodium pour la génération électrochimique de chlore au moyen d'électrolyseurs à membrane

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Natriumchlorid zur elektrochemischen Erzeugung von Chlor vor Ort mittels Membranzellen

This European Standard was approved by CEN on 13 March 2022.

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European foreword

This document (EN 16370:2022) 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of an identical text or by endorsement, at the latest by October 2022, and conflicting national standards shall be withdrawn at the latest by October 2022.

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

This document supersedes EN 16370:2013.

In comparison with the previous edition, the following technical modifications have been made:

- a) Modification of 7.3 on transportation regulations and labelling, adding the sentence "The user must be aware of the incompatibilities between transported products.";
- b) Modification of 7.4 on marking. The requirements of marking are also applied to the accompanying documents;
- c) Modification of Table 1 for the quantity of $[Fe(CN)_6]^{4-}$ in commercial product;
- d) Modification of moisture content in Table 2, to be in line with EN 973 and EN 16401.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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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 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 1 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.

NOTE 2 This product could qualify as a biocide precursor and needs to comply with the relevant legislation in force. In the European Union, at the time of publication, this legislation is Regulation (EU) No. 528/2012 [3].

1 Scope

This document is applicable to sodium chloride intended for on-site electrochlorination of water intended for human consumption using membrane cells. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium chloride (see Annex B). It gives information on its use in water treatment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 901:2013, Chemicals used for treatment of water intended for human consumption - Sodium hypochlorite

EN 973:2009, Chemicals used for treatment of water intended for human consumption - Sodium chloride for regeneration of ion exchangers

EN 14805:2008, Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using non-membrane technology

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

ISO 2479, Sodium chloride for industrial use — Determination of matter insoluble in water or in acid and preparation of principal solutions for other determinations

ISO 2480, Sodium chloride for industrial use — Determination of sulphate content — Barium sulphate gravimetric method

ISO 2482, Sodium chloride for industrial use — Determination of calcium and magnesium contents — EDTA complexometric methods

ISO 2483, Sodium chloride for industrial use — Determination of the loss of mass at 110 degrees C

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

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

ISO 6227, Chemical products for industrial use — General method for determination of chloride ions — Potentiometric method

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



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