

**Chemicals used for the treatment of swimming pool
water - Iron based coagulants**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15797:2010 sisaldab Euroopa standardi EN 15797:2010 ingliskeelset teksti.

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English Version

Chemicals used for the treatment of swimming pool water - Iron based coagulants

Produits chimiques utilisés pour le traitement de l'eau des piscines - Coagulants à base de fer

Produkte zur Aufbereitung von Schwimm- und Badebeckenwasser - Flockungsmittel auf Eisenbasis

This European Standard was approved by CEN on 28 November 2009.

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Foreword

This document (EN 15797:2010) 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of an identical text or by endorsement, at the latest by July 2010, and conflicting national standards shall be withdrawn at the latest by July 2010.

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Introduction

In respect of potential adverse effects on the quality of water for swimming pools, caused by the products covered by this European Standard:

- a) this document provides no information as to whether the products 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 these products remain in force.

NOTE Conformity with the document 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 these products covered by this document is subject to regulation or control by National Authorities.

1 Scope

This European Standard is applicable to iron based coagulants (iron (III) chloride, iron (III) chloride sulfate and iron (III) sulfate liquid) used directly or for the production of formulations for treatment of water for swimming pools.

It describes the characteristics of iron based coagulants and specifies the requirements and the corresponding test methods for iron based coagulants. It gives information on their use in swimming pool water treatment. General information on iron based coagulants is given in Annex A.

It also determines the rules relating to safe handling and use (see Annex B).

2 Normative references

The following referenced documents are indispensable for the application 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 888, *Chemicals used for treatment of water intended for human consumption — Iron (III) chloride*

EN 890, *Chemicals used for treatment of water intended for human consumption — Iron (III) sulfate liquid*

EN 891, *Chemicals used for treatment of water intended for human consumption — Iron (III) chloride sulfate*

3 Description

For the identification, the commercial form, the physical properties and the chemical properties see the relevant subclauses of EN 888, EN 890 and EN 891.

4 Purity criteria

4.1 General

This document specifies the minimum purity requirements for iron based coagulants used for the treatment of water for swimming pools. Limits are given for impurities commonly present in the products. Depending on the raw material and the manufacturing process other impurities may be present and, if so, this shall be notified to the user and when necessary to relevant authorities.

NOTE Users of these products should check the national regulations in order to clarify whether they are of appropriate purity for treatment of water for swimming pools, taking into account water quality, required dosage, contents of other impurities and additives used in these products not stated in these product standards.

Limits have been given for impurities and chemical parameters where these are likely to be present in significant quantities from the current production process and raw materials. If the production process or raw materials lead to significant quantities of other impurities by-products or additives being present, this shall be notified to the user.

4.2 Composition of commercial product

The concentration of active matter in the product expressed as mass fraction in % of FeCl_3 , $\text{Fe}_2(\text{SO}_4)_3$ or FeClSO_4 shall be within ± 3 % of the manufacturer's declared values.