



SLOVENSKI STANDARD

SIST EN 16381:2014

01-februar-2014

Kemikalije, ki se uporabljajo za pripravo bazenske vode - Natrijev peroksidisulfat

Chemicals used for treatment of swimming pool water - Sodium peroxodisulfate

Produkte zur Aufbereitung von Schwimm- und Badebeckenwasser -
Natriumperoxodisulfat

Produits chimiques utilisés pour le traitement de l'eau des piscines - Peroxodisulfate de
sodium

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Ta slovenski standard je istoveten z: **EN 16381:2013**

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ICS:

13.060.25	Voda za industrijsko uporabo	Water for industrial use
71.100.80	Kemikalije za čiščenje vode	Chemicals for purification of water

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EUROPEAN STANDARD

EN 16381

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2013

ICS 71.100.80

English Version

Chemicals used for treatment of swimming pool water - Sodium peroxodisulfate

Produits chimiques utilisés pour le traitement de l'eau des piscines - Peroxodisulfate de sodium

Produkte zur Aufbereitung von Schwimm- und Badebeckenwasser - Natriumperoxodisulfat

This European Standard was approved by CEN on 26 October 2013.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 16381:2013 (E)**Foreword**

This document (EN 16381:2013) 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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.

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 for swimming pools, 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 this European 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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EN 16381:2013 (E)**1 Scope**

This European Standard is applicable to sodium peroxodisulfate used for treatment of water for swimming pools. It describes the characteristics of sodium peroxodisulfate and specifies the requirements and the corresponding test methods for sodium peroxodisulfate. It gives information on its use in swimming pool water treatment. It also determines the rules relating to safe handling and use (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 12926, *Chemicals used for treatment of water intended for human consumption — Sodium peroxodisulfate*

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

Sodium peroxodisulfate.

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3.1.2 Synonym or common name

Sodium persulfate.

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3.1.3 Relative molecular mass

238,11.

3.1.4 Empirical formula

Na₂S₂O₈.

3.1.5 Chemical formula

Na₂S₂O₈.

3.1.6 CAS¹⁾ Registry Number

7775-27-1.

3.1.7 EINECS²⁾ reference

231-892-1.

1) Chemical Abstracts Service.

2) European INventory of Existing Commercial Chemical Substances.

3.2 Commercial form

Sodium peroxodisulfate is available as a crystalline powder.

3.3 Physical properties

3.3.1 Appearance and odour

The product is a white, odourless, crystalline free-flowing salt.

3.3.2 Density

The bulk density of the product is approximately 1,15 g/cm³.

3.3.3 Solubility in water

The solubility of the product in water is approximately:

- 515 g/l at 10 °C;
- 545 g/l at 20 °C;
- 605 g/l at 40 °C;
- 680 g/l at 60 °C.

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3.3.4 Vapour pressure

Not applicable.

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3.3.5 Boiling point at 100 kPa³⁾

Not applicable.

3.3.6 Melting point

The product decomposes above 65 °C.

3.3.7 Specific heat

Not known.

3.3.8 Viscosity (dynamic)

Not applicable.

3.3.9 Critical temperature

Not applicable.

3) 100 kPa = 1 bar.