

SLOVENSKI STANDARD

SIST EN 15072:2013

01-julij-2013

Nadomešča:

SIST EN 15072:2006+A1:2008

Kemikalije, ki se uporabljajo za pripravo bazenske vode - Natrijev diklorizocianurat, brez vode

Chemicals used for treatment of swimming pool water - Sodium dichloroisocyanurate, anhydrous

Produkte zur Aufbereitung von Schwimm- und Badebeckenwasser - Natriumdichlorisocyanurat, wasserfrei

Produits chimiques utilisés pour le traitement de l'eau des piscines - Dichloroisocyanurate de sodium, anhydre

Ta slovenski standard je istoveten z: EN 15072:2013

ICS:

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

SIST EN 15072:2013

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 15072:2013

<https://standards.iteh.ai/catalog/standards/sist/55e8f023-d88b-47ed-8b34-bee3b702d389/sist-en-15072-2013>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 15072

May 2013

ICS 71.100.80

Supersedes EN 15072:2006+A1:2008

English Version

**Chemicals used for treatment of swimming pool water - Sodium
dichloroisocyanurate, anhydrous**

Produits chimiques utilisés pour le traitement de l'eau des
piscines - Dichloroisocyanurate de sodium, anhydre

Produkte zur Aufbereitung von Schwimm- und
Badebeckenwasser - Natriumdichlorisocyanurat, wasserfrei

This European Standard was approved by CEN on 28 March 2013.

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.

CEN members are the national standards bodies of 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 United Kingdom.

SIST EN 15072:2013

<https://standards.iteh.ai/catalog/standards/sist/55e8f023-d88b-47ed-8b34-bee3b702d389/sist-en-15072-2013>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative reference	5
3 Description	5
3.1 Identification.....	5
3.2 Commercial form	6
3.3 Physical properties.....	6
3.4 Chemical properties	7
4 Purity criteria.....	7
4.1 General.....	7
4.2 Composition of commercial product.....	7
4.3 Impurities and main by-products.....	7
4.4 Toxic substances.....	7
5 Test methods.....	8
6 Labelling - Transportation - Storage.....	8
6.1 Means of delivery.....	8
6.2 Labelling according to the EU legislation	8
6.3 Transportation regulations and labelling.....	10
6.4 Marking.....	10
6.5 Storage.....	10
Annex A (informative) General information on sodium dichloroisocyanurate, anhydrous	12
A.1 Origin	12
A.2 Use	12
Annex B (normative) General rules relating to safety.....	14
B.1 Rules for safe handling and use	14
B.2 Emergency procedures.....	14
Bibliography	15

Foreword

This document (EN 15072:2013) 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 November 2013, and conflicting national standards shall be withdrawn at the latest by November 2013.

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 15072:2006+A1:2008.

Significant technical differences between this edition and EN 15072:2006+A1:2008 are as follows:

- 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 organisations 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.

[SIST EN 15072:2013](https://standards.iteh.ai/catalog/standards/sist/55e8f023-d88b-47ed-8b34-bee3b702d389/sist-en-15072-2013)

<https://standards.iteh.ai/catalog/standards/sist/55e8f023-d88b-47ed-8b34-bee3b702d389/sist-en-15072-2013>

Introduction

In respect of potential adverse effects on the quality of water intended for swimming pools caused by the product covered by this European Standard, the following statements apply:

- 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 1 Conformity with this European Standard 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 the products covered by this European Standard is subject to regulation or control by National Authorities.

NOTE 2 This product is a biocide and needs to comply with the relevant legislation in force. In the European Union, at the time of publication, this legislation is Directive 1998/8/EC [1].

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 15072:2013](https://standards.iteh.ai/catalog/standards/sist/55e8f023-d88b-47ed-8b34-bee3b702d389/sist-en-15072-2013)

<https://standards.iteh.ai/catalog/standards/sist/55e8f023-d88b-47ed-8b34-bee3b702d389/sist-en-15072-2013>

1 Scope

This European Standard is applicable to sodium dichloroisocyanurate, anhydrous used directly or used to prepare commercial formulations for disinfecting swimming pool water. It describes the characteristics of sodium dichloroisocyanurate, anhydrous and specifies the requirements and the corresponding test methods for sodium dichloroisocyanurate, anhydrous. It gives information on its use for treating swimming pool water and determines the rules relating to safe handling and use (see Annex B).

2 Normative reference

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 12931, *Chemicals used for treatment of water intended for human consumption — Chemicals for emergency use — Sodium dichloroisocyanurate, anhydrous*

3 Description

3.1 Identification

3.1.1 Chemical name

1-sodium - 3,5-dichloro - 1,3,5-triazine - 2,4,6-trione.

3.1.2 Synonym or common name

Sodium dichloroisocyanurate.

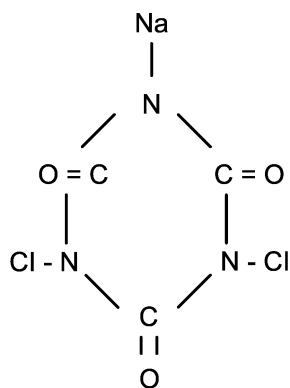
3.1.3 Relative molecular mass

219,98.

3.1.4 Empirical formula

$C_3N_3O_3Cl_2Na$.

3.1.5 Chemical formula



EN 15072:2013 (E)**3.1.6 CAS Registry Number ¹⁾**

2893-78-9.

3.1.7 EINECS reference ²⁾

2-207-67-7.

3.2 Commercial form

The product is available in various granular forms.

3.3 Physical properties**3.3.1 Appearance and odour**

The product is a white granular solid with chlorinous odour.

3.3.2 Density

The bulk density is approximately 0,9 g/cm³.

3.3.3 Solubility in water

The solubility in water is 250 g/l at 25 °C.

3.3.4 Vapour pressure

Not applicable.

STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/55e8f023-d88b-47ed-8b34-bee3b702d389/sist-en-15072-2013>

3.3.5 Boiling point at 100 kPa ³⁾

Not applicable, the product decomposes before fusion.

3.3.6 Melting point

Not applicable.

3.3.7 Specific heat

(1 090 ± 40) J/kg.K at 20 °C.

3.3.8 Viscosity, (dynamic)

Not applicable.

3.3.9 Critical temperature

Not applicable.

1) Chemical Abstracts Service Registry Number.

2) European Inventory of Existing Commercial Chemical Substances.

3) 100 kPa = 1 bar.

3.3.10 Critical pressure

Not applicable.

3.3.11 Physical hardness

Not applicable.

3.4 Chemical properties

The product is a strong oxidant. It is corrosive and hygroscopic; sodium dichloroisocyanurate decomposes into hydrochloric acid and cyanuric acid. When dissolved in an excess of water, it liberates chlorine by hydrolysis.

4 Purity criteria

4.1 General

Limits have been given for impurities and toxic substances where these are likely to be present in significant quantities from the current production process and raw materials. If a change in the production process or raw materials leads to significant quantities of other impurities or by-products being present, the user shall be notified.

4.2 Composition of commercial product

The product shall contain at least 62 percent by mass (% (*m/m*)) of available chlorine.

4.3 Impurities and main by-products

The water content shall be less than 3 % (*m/m*) of the product.

The sodium chloride content shall be less than 0,05 % (*m/m*) of the product.

4.4 Toxic substances

NOTE For the purpose of this standard, "toxic substances" are those defined in the EU Directive 80/778/EEC of 15 July, 1980 [1].

The content of toxic substances shall conform to the requirements specified in Table 1.