



SLOVENSKI STANDARD
SIST EN 15494:2020

01-januar-2020

Nadomešča:
SIST EN 15494:2008

Sveče - Varnostne oznake

Candles - Product safety labels

Kerzen - Produktsicherheitskennzeichnung

Bougies - Étiquetages de sécurité des produits

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Ta slovenski standard je istoveten z: EN 15494:2019

<https://standards.iteh.ai/catalog/standards/sist/dfc3e939-7b8c-445b-953f-42064a83a85c/sist-en-15494-2020>

ICS:

13.120	Varnost na domu	Domestic safety
97.180	Razna oprema za dom in trgovino	Miscellaneous domestic and commercial equipment

SIST EN 15494:2020

en,fr,de

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EUROPEAN STANDARD

EN 15494

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2019

ICS 71.100.99

Supersedes EN 15494:2007

English Version

Candles - Product safety labels

Bougies - Étiquettes de sécurité

Kerzen - Produktsicherheitskennzeichnung

This European Standard was approved by CEN on 9 September 2019.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

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European foreword

This document (EN 15494:2019) has been prepared by Technical Committee CEN/TC 369 "Candle fire safety", the secretariat of which is held by DIN.

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 April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

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 15494:2007.

EN 15494:2019 includes the following significant technical changes with respect to EN 15494:2007:

- a) terms and definitions have been inserted;
- b) the purpose and layout of product safety labels have been explained in much more detail;
- c) part of the supplementary safety information has been modified to improve consumer comprehensibility and additional supplementary safety information has been introduced;
- d) a clear allocation of which supplementary safety information is mandatory or appropriate for which type of candle, based on a risk assessment, has been made;
- e) a minimum height of the supplementary safety symbols has been fixed;
- f) options for candles with a limited space for the label have been introduced;
- g) the option to provide safety information with an instruction leaflet has been removed;
- h) the examples of product safety labels layout on candle fire safety have been improved and complemented.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

Candles have accompanied mankind for more than 2 000 years serving, above all, as a light source. Closely connected to the development history of the candle are the efforts made to improve its quality and its safety in use. Discussions in the past and present over possible self-forming, harmful emissions and fires caused by unsafe candles and/or inappropriate use during the burning of candles have led to consumers concern for these issues.

Most fire damage caused by candles can be attributed to improper use by the consumer. The fire risk of the candle due to inappropriate use can be minimized by suitable safety information for the consumer. This information will be easily and non-verbally comprehensible.

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1 Scope

This document specifies safety information for burning indoor candles and includes requirements on how safety information will be displayed.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

candle

one or more combustible wicks supported by a material that constitutes a fuel, which is solid or semisolid at room temperature (20 °C to 27 °C) with the main function of sustaining a light-producing flame, including any coatings on and articles or substances in the fuel

[SOURCE: EN 15426:2018, 3.2] (standards.iteh.ai)

3.2

container candle

candle that is produced and used in the same container

Note 1 to entry: This definition includes tea lights.

[SOURCE: EN 15426:2018, 3.3]

3.3

floating candle

candle intended and designed for use in a suitable bowl or container filled with water

[SOURCE: EN 15426:2018, 3.8]

3.4

indoor candle

candle intended and designed for use inside a house or a building with typical indoor conditions concerning ventilation, draught and temperature

NOTE 1 to entry: An outdoor candle is a candle intended and designed to be used outside buildings in the open air.

[SOURCE: EN 15426:2018, 3.5]

EN 15494:2019 (E)

3.5
product safety label
 label on a product that informs the observer of one or more potential hazards and describes the safety precautions and/or actions required to avoid the hazard(s)

NOTE 1 to entry: It communicates a hazard, a hazardous situation, a precaution to avoid a hazard and/or a result of not avoiding a hazard.

[SOURCE: ISO 3864-2:2016, 3.9]

3.6
supplementary safety information
 safety information symbol or safety information text whose main purpose is to provide additional clarification

NOTE 1 to entry: A supplementary safety information panel typically communicates hazard consequence or hazard avoidance information.

[SOURCE: ISO 3864-2:2016, 3.15, modified – last word "panel" was deleted from the term]

3.7
tea light
 cylindrical candle that is burned up in a container which may be suitable to keep vessels containing coffee, tea or other liquids warm, by using a warming stove

NOTE 1 to entry: Diameters of tea lights typically range from 36 mm to 39 mm.

NOTE 2 to entry: A tea light container can be made from metal, glass or plastic.

[SOURCE: EN 15493:2019, 3.17]

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3.8
votive candle
 candle that fully liquefies when burning and is designed and intended to be burned in a suitable container

4 Product safety labels

4.1 General

Prior to developing a product safety label, an assessment of the product's hazards and the risk associated with each hazard shall be performed. Key to this exercise is evaluating what residual risks remain after protective steps have been taken in the design and guarding of hazards and determining which of these hazards shall be addressed with the use of safety labelling. For many products, all foreseeable hazards resulting from the use and possible misuse of the product cannot be warned about in the form of safety labels and information overload in the form of too many product safety labels shall be avoided. Choices shall be made concerning which hazards pose the greatest risk and require a safety label.

4.2 Layout of the product safety label

The product safety label for candles consists of the following components:

- general warning sign based upon ISO 7010 - W001 (see Figure 1);
- mandatory supplementary safety information symbols or texts (see Tables 1 to 3);
- optional supplementary safety information symbols or texts (see Annex A).



Figure 1 — General warning sign

The risks associated with the supplementary safety information in Tables 1 to 3 are considered as the greatest and are mandatory for all candles. The risks associated with the supplementary safety information in Annex A are optional in the sense that they are not applicable to all candles and shall only be used additionally to those in Tables 1 to 3, based on the risk assessment for the specific candle.

The supplementary safety information symbols or texts shall be placed in close proximity to the general warning sign below and/or to the right beside the general warning sign (see Figure 2). Borders are optional.



Figure 2 — Examples of layouts of a product safety label for candles

All components of the product safety label shall be in distinct contrast from its background. For candle labels made with one-colour printing, the background colour of the general warning sign does not need to be yellow.

4.3 Layout of supplementary safety information

If safety information texts are chosen rather than safety information symbols then they or their practical equivalents shall be given in their own national language or languages of the country in which the candles are marketed. The supplementary safety symbols and text shall be reproduced as shown in Tables 1 to 3 and Tables A.1 to A.5. However, some degree of modification is permitted when cultural differences or special application formats (e.g. candle shape/type) need to be considered, provided the original meaning is retained and comprehension of the safety information is maintained. Consistent reproduction and use of these safety symbols and texts will lead to a progressively improved degree of comprehension at the international level.

The minimum height of the safety symbols is 5 mm provided that the content of the safety message is legible due to the quality of the print. However, larger size is encouraged.