

SLOVENSKI STANDARD
oSIST prEN 15494:2019
01-januar-2019

Sveče - Varnostne oznake

Candles - Product safety labels

Kerzen - Produktsicherheitskennzeichnung

Bougies - Étiquetages de sécurité des produits

Ta slovenski standard je istoveten z: prEN 15494

<https://standards.iteh.ai/catalog/standards/sist/dfe3e939-7b8c-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

oSIST prEN 15494:2019

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 15494

November 2018

ICS 71.100.99

Will supersede EN 15494:2007

English Version

Candles - Product safety labels

Bougies - Etiquettes de sécurité

Kerzen - Produktsicherheitskennzeichnung

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 369.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Product safety labels.....	6
4.1 General.....	6
4.2 Layout of the product safety label.....	6
4.3 Layout of supplementary safety information	7
4.4 Display of a product safety label.....	7
Annex A (informative) Optional safety information.....	9
Annex B (informative) Examples of product safety labels layout on candle fire safety	12
Bibliography.....	14

ITEH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 15494:2020

<https://standards.iteh.ai/catalog/standards/sist/dfe3e939-7b8c-445b-953f-42064a83a85c/sist-en-15494-2020>

European foreword

This document (prEN 15494:2018) has been prepared by Technical Committee CEN/TC 369 “Candle fire safety”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 15494:2007.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 15494:2020

<https://standards.iteh.ai/catalog/standards/sist/dfe3e939-7b8c-445b-953f-42064a83a85c/sist-en-15494-2020>

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 warnings for the consumer. These warnings should be easily and non-verbally comprehensible.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 15494:2020

<https://standards.iteh.ai/catalog/standards/sist/dfe3e939-7b8c-445b-953f-42064a83a85c/sist-en-15494-2020>

1 Scope

This document specifies product safety labels for burning indoor candles.

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 <http://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: prEN 15493:2018, 3.5]

3.2

container candle

candle that is produced and used in the same container

[SOURCE: prEN 15493:2018, 3.6]

3.3

floating candle

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

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: prEN 15493:2018, 3.10]

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]

prEN 15494:2018 (E)

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: prEN 15493:2018, 3.16]

3.8

votive candle

candle that fully liquefies and is designed and intended to be burned in 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 consist 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.

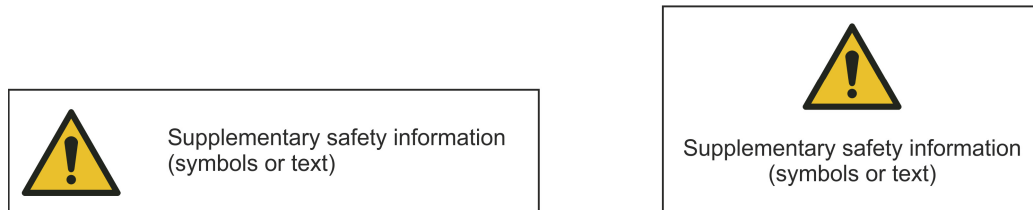


Figure 2 — Examples of layouts of a product safety label for candles

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 Table A.1, (Figures 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 inside is legible due to the quality of the print.

4.4 Display of a product safety label

As a minimum the product safety label with the mandatory safety information (Tables 1 to 3) shall be visible and legible on the packaging or product. If the space is limited, the optional safety information can be placed elsewhere, e.g. on the backside of a peel off label or the inner sides of a fold-out label, together with the mandatory safety information repeated. In cases that the safety labelling on the packaging or product is not practical, an instruction leaflet shall be available to the consumer at the point of sale.

NOTE Examples see Annex B.

Table 1 — Mandatory supplementary safety information




 <p>Figure 3</p>	Never leave a burning candle unattended.
 <p>Figure 4</p>	Keep away from things that can catch fire.
 <p>Figure 5</p>	Keep away from children and pets.

Table 2 — Additional mandatory supplementary safety information — Specific for certain candle types


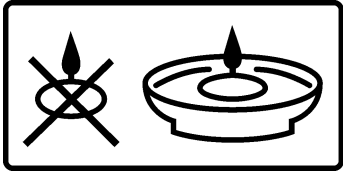
 <p>Figure 6</p>	Use a heat resistant candleholder.
---	------------------------------------

Figure 6 and associated text is not applicable to floating candles (see Table 3).

Figure 6 and associated text is no mandatory supplementary safety information for self-extinguishing candles and container candles if the container itself is a heat resistant candleholder. It can be used as optional supplementary safety information, however.

Table 3 — Additional mandatory supplementary safety information — Specific for floating candles

 <p>Figure 7</p>	Use in a suitable bowl filled with water.
---	---