

Candles — Product safety labels

The European Standard EN 15494:2007 has the status of a
British Standard

ICS 71.100.99; 97.180

National foreword

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The UK participation in its preparation was entrusted to Technical Committee I/-/1, Candles.

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Kerzen - Produktsicherheitskennzeichnung

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Foreword

This document (EN 15494:2007) has been prepared by Technical Committee CEN BT/TF 164 “Candle 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of an identical text or by endorsement, at the latest by May 2008, and conflicting national standards shall be withdrawn at the latest by May 2008.

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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.

1 Scope

This European standard specifies product safety labels for burning indoor candles.



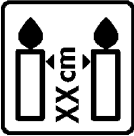

2 Product safety labels

2.1 Safety information

The messages specified in Table 1 represent the minimum safety information with which a candle can be labelled.

This safety information shall be given on a product safety label in the form of a symbol (see Table 1, 1st column) or text (see Table 1, 2nd column). It shall be visible and legible on the packaging or product. In cases that the safety labelling on the packaging or product is not practical, an instruction leaflet shall be available at the point of sale.

Table 1 — Mandatory safety information

Safety information given as a symbol	Safety information given as a text
 <p>Figure 1</p>	Never leave a burning candle unattended.
 <p>Figure 2</p>	Burn candle out of the reach of children and pets.
 <p>Figure 3</p>	Always leave at least xx ^a cm between burning candles.
 <p>Figure 4</p>	Do not burn candles on or near anything that can catch fire.
<p>^a xx represents the minimum safety distance as recommended by the manufacturer.</p> <p>NOTE Figure 3 and associated text are not applicable for floating candles.</p>	

If safety information texts are chosen rather than safety information symbols then they shall be given in their own national language or languages of the country in which the candles are marketed.

Additional optional safety messages are encouraged (see Table A.1).

NOTE The number of optional symbols or texts used for a candle should be based on risk assessment.

2.2 Layout of a product safety label

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

- Form 1: General warning sign (see Figure 5) and supplementary safety information symbol (see Table 1, 1st column and Table A.1, 1st column); or
- Form 2: General warning sign (see Figure 5) and supplementary safety information text (see Table 1, 2nd column and Table A.1, 2nd column).



Figure 5 — General warning sign

The safety information symbol or text shall be placed below or beside the general warning sign (see Figure 6).

NOTE 1 To draw the attention of the user to the product safety label it is recommended to use the safety colour yellow (see ISO 3864-2:2004, Table 1).

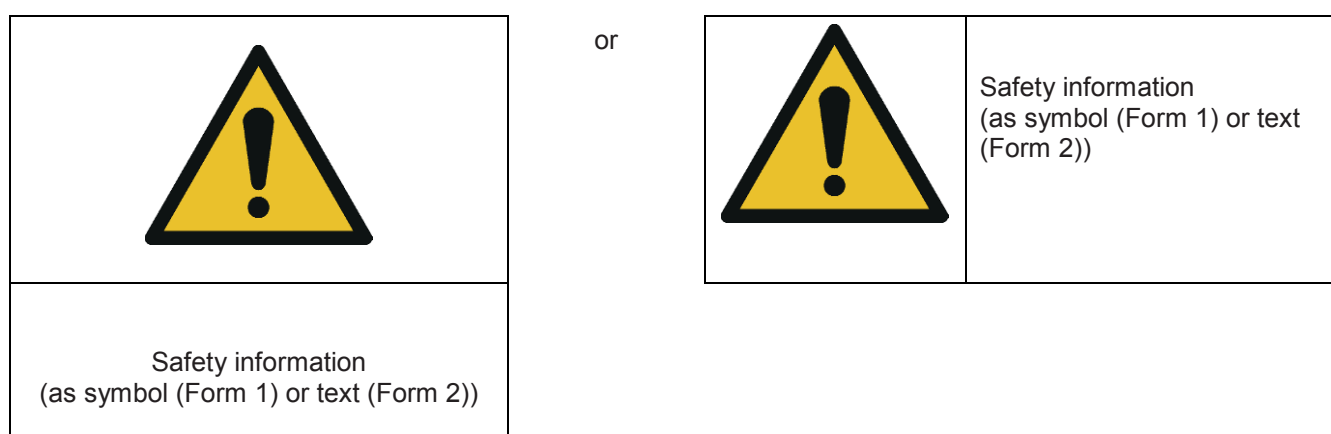


Figure 6 — Layout of a product safety label for candles

NOTE 2 Examples see Annex B.

Annex A (informative)

Optional safety information

Table A.1 — Optional safety information




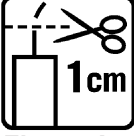



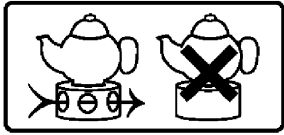

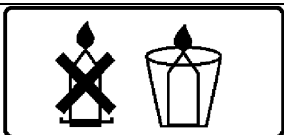
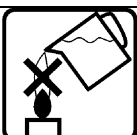
Safety information given as a symbol	Safety information given as a text
 <p>Figure A.1</p>	Do not place candles in a draught.
 <p>Figure A.2</p>	Do not place candles near a source of heat.
 <p>Figure A.3</p>	Place candles in an upright position.
 <p>Figure A.4</p>	Trim wick to about 1 cm before lighting.
 <p>Figure A.5</p>	Always snuff out the flame. Do not blow it out.
 <p>Figure A.6</p>	Always use a candleholder.

Table A.1 (concluded)

Safety information given as a symbol	Safety information given as a text
 <p>Figure A.7</p>	<p>Keep the wax pool clear of matches and other debris to avoid flaring.</p>
 <p>Figure A.8</p>	<p>Only use tea light in holders and warming stoves with sufficient ventilation.</p>
 <p>Figure A.9</p>	<p>Do not move a burning candle.</p>
 <p>Figure A.10</p>	<p>Use a suitable container as these candles liquefy when burning.</p>
 <p>Figure A.11</p>	<p>Never use liquid to extinguish.</p>

Annex B (informative)

Examples of product safety labels on candle fire safety

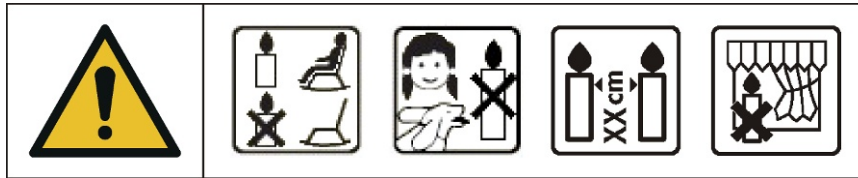


Figure B.1 — Example 1 — Form 1

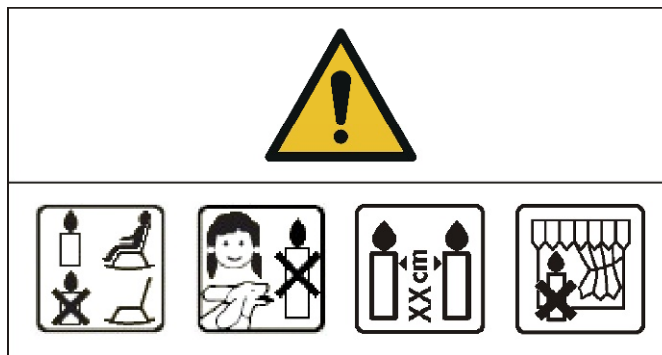


Figure B.2 — Example 2 — Form 1

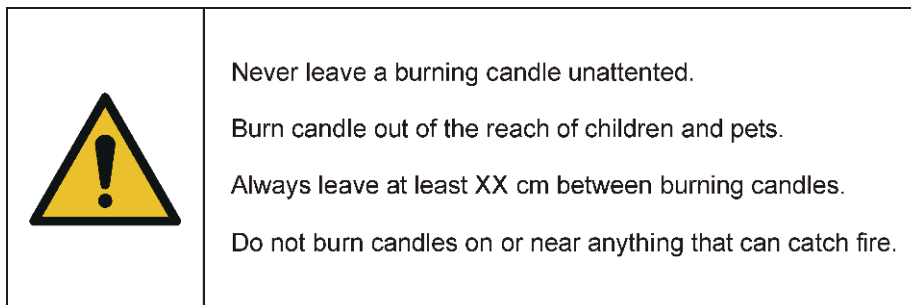


Figure B.3 — Example 1 — Form 2

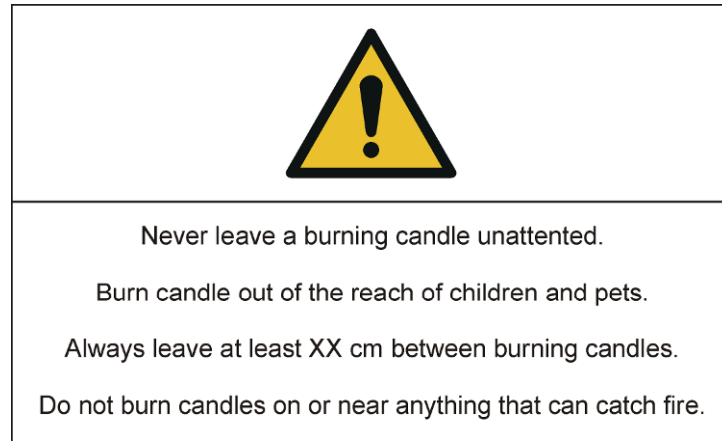


Figure B.4 — Example 2 — Form 2

Bibliography

- [1] ISO 3864-2:2004, Graphical symbols - Safety colours and safety signs - Part 2: Design principles for product safety labels
- [2] EN 15426, Candles - Specification for sooting behaviour
- [3] EN 15493, Candles – Specification for fire safety

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