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**Utility lighters — General consumer-  
safety requirements —**

**AMENDMENT 1: Clarification of  
requirements and addition of safety symbols**

*Briquets utilitaires — Exigences générales pour la sécurité des  
consommateurs —*

*AMENDEMENT 1: Clarification des exigences et ajout de symboles de  
sécurité*

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## Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 22702:2003 was prepared by Technical Committee ISO/TC 61, *Plastics*.

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## Utility lighters — General consumer-safety requirements —

### AMENDMENT 1: Clarification of requirements and addition of safety symbols

**IMPORTANT** — The electronic file of this document contains colours which are considered to be useful for the correct understanding of the document. Users should therefore consider printing this document using a colour printer.

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**4.3.2** Utility lighters that meet the requirements of 4.3.1 and that are still able to be ignited in the intended manner after stabilization at  $(23 \pm 2)$  °C shall subsequently meet all the applicable requirements of 3.1 to 3.5, inclusive.

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#### 6.1.1 General

All utility lighters shall be accompanied by appropriate safety information (instructions or warnings, or both), in either text form or in the form of safety symbols that would replace all existing textual instructions and warnings, or both, communicating to the user the proper method of usage.

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**6.1.3.3** For all utility lighters, the safety information shall include the following as appropriate to the type of utility lighter.

- a) "Be sure flame is out after use".
- b) "Never expose to heat above 50 °C or to prolonged sunlight".
- c) "Never puncture or put in fire".
- d) "Extreme heat is present above the visible flame. Extra care should be taken to prevent burns, injury or fire". (This statement shall accompany all premixing burner lighters.)
- e) "Follow all instructions and warnings provided by grill or other appliance manufacturers when using this product".
- f) "Do not keep lit for more than 30 s".
- g) "After refilling, wait 2 min before using lighter". (This statement shall accompany all refillable utility lighters.)

- h) “Contains flammable gas under pressure”.
- i) “When filled, contains flammable gas under pressure”.

Add new subclause 6.1.4 as follows.

#### 6.1.4 Safety symbols

##### 6.1.4.1 General

If safety symbols are used, they shall be as given in 6.1.4.2 to 6.1.4.5.

##### 6.1.4.2 “Warning” symbol

- Background: white.
- Triangular band: black or red.
- Graphical symbol: same colour as triangular band (black or red).
- The symbol shall have the same proportions as those indicated in Figure 4.
- The size shall be at least 10 mm.

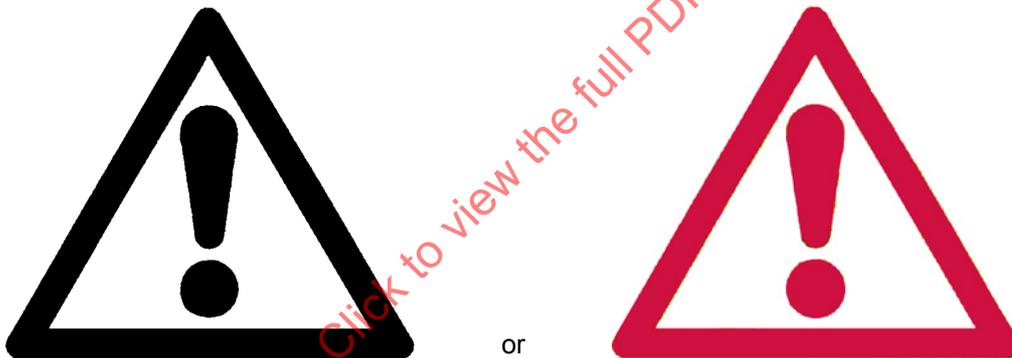


Figure 4 — “Warning” symbol

##### 6.1.4.3 “Keep Away From Children” symbol

- Background: white.
- Circular band and diagonal bar: red.
- Graphical symbol: black.
- The symbol shall have the same proportions as those indicated in Figure 5.
- The size shall be at least 10 mm.



Figure 5 — “Keep Away From Children” symbol

#### 6.1.4.4 “Caution, risk of fire” symbol

- Background: white.
- Triangular band: black or red.
- Graphical symbol: same colour as triangular band (black or red).
- The symbol shall have the same proportions as those indicated in Figure 6.
- The size shall be at least 10 mm.

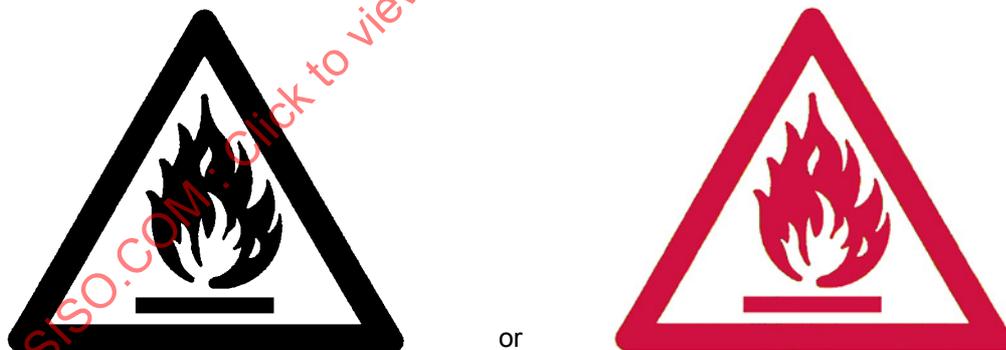


Figure 6 — “Caution, risk of fire” symbol

#### 6.1.4.5 “Never expose to heat above 50 °C or to prolonged sunlight” symbol

- Background: white.
- Circular band and diagonal bar: red.
- Graphical symbol: black.
- The symbol shall have the same proportions as those indicated in Figure 7.
- The size shall be at least 10 mm.



Figure 7 — “Never expose to heat above 50 °C or to prolonged sunlight” symbol

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**7.1.4.3** Ignite the utility lighter, allow the flame to stabilize for approximately 1,0 s, then measure the flame height to the nearest 5 mm by determining where the tip of the visible flame registers in relation to the scribed marks on the board behind the utility lighter, during a 5 s burn.

In 7.2.3.5, replace “in accordance with Figure 4” with “in accordance with Figure 8”.

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Renumber Figure 4 as Figure 8.

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**7.3.4.2** Place the utility lighter against the flame height measurement apparatus with the flame directed vertically upward, ignite and adjust to the flame height specified in 3.5.1, 3.5.2 or 3.5.3, as applicable, then extinguish and allow to cool for at least 1 min. Then, orient the utility lighter in the 45° below horizontal attitude, ignite the utility lighter for the amount of time specified in 3.5.1, 3.5.2 or 3.5.3, then extinguish in the normal manner. Measure and record the time of any burning occurring after the extinguishing action. Afterburns in excess of the amount of time specified in 3.5.1, 3.5.2 and 3.5.3 constitute a failure.

To be consistent with 4.3.2 make the following changes (to 7.4.5.4, 7.5.5.8, 7.7.4.7 and 7.8.4.8).

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**7.4.5.4** Utility lighters that do not fail the test described in 7.4.5.1 to 7.4.5.3 and are able to be ignited in the intended manner shall subsequently meet all the applicable requirements of 3.1 to 3.5, inclusive.

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**7.5.5.8** Utility lighters that are able to be ignited in the intended manner shall subsequently meet all the applicable requirements of 3.1 to 3.5, inclusive.

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**7.7.4.7** Utility lighters that are able to be ignited in the intended manner shall subsequently meet all the applicable requirements of 3.1 to 3.5, inclusive.

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**7.8.4.8** Utility lighters that are able to be ignited in the intended manner shall subsequently meet all the applicable requirements of 3.1 to 3.5, inclusive.