# INTERNATIONAL STANDARD

ISO 25947-3

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# Fireworks — Categories 1, 2 and 3 —

Part 3:

# Minimum labelling requirements

Artifices de divertissement — Catégories 1, 2 et 3 — Partie 3: Etiquetage minimal





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#### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see <a href="www.iso.org/directives">www.iso.org/directives</a>).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

This document was prepared by Technical Committee ISO/TC 264, Fireworks.

A list of all parts in the ISO 25947 series can be found on the ISO website.

## Fireworks — Categories 1, 2 and 3 —

#### Part 3:

### Minimum labelling requirements

#### 1 Scope

This document specifies the minimum labelling requirements for the article and primary or selection packaging of fireworks of the following types:

_	aerial wheels;
_	bangers;
_	batteries;
_	batteries requiring external support;
_	Bengal flames;
_	Bengal matches;
_	Bengal sticks;
_	Christmas crackers;
_	combinations;
_	combinations requiring external support;
_	compound fireworks;
_	crackling granules;
_	double bangers;
_	double flash bangers;
_	flash bangers;
_	flash pellets;
_	fountains;
_	ground movers;
_	ground spinners;
_	hand-held sparklers;
_	jumping crackers;
_	jumping ground spinners;
_	mines;
_	mini rockets;

nezumi-hanabi;

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non-hand-held sparklers;
novelty matches;
party poppers;
rockets;
Roman candles;
senko-hanabi;
serpents;
shot tubes;
snaps;
spinners;
table bombs;
throwdowns;

This document does not apply for theatrical pyrotechnic articles which are designed for indoor or outdoor stage use, including film and television productions or similar use.

#### 2 Normative references

wheels.

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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ISO 25947-1, Fireworks — Fireworks, Categories 1, 2 and 3 — Part 1: Terminology
ISO 25947-2, Fireworks — Fireworks, Categories 1, 2 and 3 — Part 2: Categories and types of firework
ISO 25947-4:—, Fireworks — Fireworks, Categories 1, 2 and 3 — Part 4: Test methods
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#### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 25947-1 apply.

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

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

#### 4 Minimum labelling requirements

#### 4.1 General and specific labelling requirements

#### 4.1.1 General labelling requirements

Fireworks shall be marked in accordance with 4.9 and 4.10, with the information specified in 4.1.2 to 4.1.4 (if applicable) and 4.2 to 4.8.

Primary packs, if any, shall be marked with the information specified in 4.2 to 4.8 and 4.10.

For the following fireworks, where the use of a primary pack is mandatory, the marking shall be applied solely to the primary pack:

- Bengal matches;
- Bengal sticks;
- Christmas crackers;
- compound fireworks;
- crackling granules;
- flash pellets;
- hand-held sparklers;
- jumping crackers;
- nezumi-hanabi;
- non-hand-held sparklers;
- novelty matches;
- senko-hanabi;
- serpents;
- snaps;
- throwdowns.

The specified information shall be given in the official language(s) of the country in which the fireworks or primary packs are offered for retail sale. For each language, it shall be presented as a whole and shall not be interrupted by other text. Additional text given in another language shall not conflict with the specified information.

Conformity to these requirements specified in  $\underline{4.1}$  to  $\underline{4.10}$  shall be verified by visual examination.

# 4.1.2 Specific labelling requirement for batteries, batteries requiring external support, combinations and combinations requiring external support

For batteries, batteries requiring external support, combinations and combinations requiring external support equipped with two initial fuses, the second fuse shall be clearly marked with the words "RESERVE FUSE".

#### 4.1.3 Specific labelling requirement for selection packs

Selection packs containing one or more categories shall be marked with the highest category in the pack, for example, "CAT 3".

#### 4.1.4 Specific labelling requirements for compound fireworks

The compound fireworks shall be labelled on the primary pack according to the requirements of 4.2 to 4.10. The label of the primary pack shall identify all included articles used in the compound fireworks according to 4.2. For compound fireworks with two initial fuses, the second fuse shall be clearly marked with the words "RESERVE FUSE".

Fireworks which are assembled in compound fireworks shall not be labelled with the information according to 4.3 and the safety information according to 4.6.

#### 4.2 Type of firework, category and registration number

The type of firework shall be marked, in upper case, in conformity with ISO 25947-2. If a trade name is used in addition to the type name, it shall not conflict with the principal effects of the relevant type of firework or with the name of another type of firework. For Roman candles, the number of shots shall be marked, for example, "8 SHOT ROMAN CANDLE".

The category shall be marked, in upper case, for example, "CATEGORY 2" or "CAT 2".

Additional traceability information regarding the performed batch testing, for example, lot number, may be displayed on the label of the article or the smallest piece of packaging.

The registration number, if any, shall be marked on the label. Examples for registration numbers are given below.

EXAMPLE 1 A registration number used in Japan is given as an example below.

$$V - 00 - xxxx$$

where V refers to the type of firework, 00 refers to the number linked to the country of the manufacturer or importer (e.g. 00 for Japan) and xxxx refers to the serial number.

EXAMPLE 2 A registration number used in the European Union is given as an example below.

where XXXX refers to the identification number of the notified body issuing the certificate, YY refers to the category of firework in abbreviated format (F1, F2, or F3 for category 1, 2 or 3 respectively) and where ZZZZ is a processing number used by the notified body.

#### 4.3 Minimum age limits

The minimum age limits applicable in the country in which the fireworks are offered for retail sale and usage shall be clearly stated on the label. The following minimum age limits apply, if the individual State has not changed these age limits:

- Category 1: 12 years;
- Category 2: 16 years;
- Category 3: 18 years.

#### 4.4 Explosive content

The labelling shall include the net explosive content or the total NEC of the firework.

For fireworks where the use of a primary pack is mandatory (see 4.1.1) and for fireworks not labelled completely with the information specified in 4.2 to 4.7, the total NEC or the net explosive content of the items in the primary pack shall be given on the primary pack.

The abbreviation for the net explosive content (NEC) may be used for the labelling.

#### 4.5 Year of production

For category 3 fireworks, the year of production shall be clearly stated on the bottom right-hand corner of the label, either by four or by two digits, e.g. "2010" or "10".

#### 4.6 Safety information

The labelling shall include at least the safety information specified in <u>Table 1</u>, in a logical sequence, for the relevant type of firework. If necessary, instructions in addition to those specified in <u>Table 1</u> may be given. The appropriate placing instructions, selected from those specified in <u>Table 1</u>, shall replace

"< placing instructions >"

where indicated.

Safety information shall be emphasized by use of a heading, or bold type, or similar.

#### 4.7 Details of manufacturer or importer

Labelling shall include the name and the address of the manufacturer or the importer.

The address shall comprise at least the town and the country.

#### 4.8 Printing

Labelling shall be clearly visible, easily legible, indelible and on a contrasting background colour. Printing errors which are not misleading are not classified as faults. If Latin characters are used, and when measured in accordance with ISO 25947-4:—, 6.7, the type sizes shall be such that the height of the character "X" (in upper case) is at least 2,8 mm for the information on fireworks type and category (4.2), safety information (4.6) and additional information (4.10) on the primary pack, if applicable, and at least 2,1 mm for the other information.

In case of characters other than Latin, the <u>Annex A</u> applies.

#### 4.9 Marking of very small items

If the firework does not provide enough space for the specified information using the type sizes specified in 4.8, for the information on name and category and safety information, the type size shall be reduced to 2,1 mm. If the firework does not provide enough space to carry all the specified information even in reduced type size, at least the information on the manufacturer or the importer shall be given on the firework.

#### 4.10 Additional information

If the firework is not labelled completely with the information specified in <u>Table 1</u>, or if the primary pack acts as protection for the initial fuses, the firework shall be sold only in a primary pack. The primary pack shall be marked with the statement: "Must be sold as packaged". If the selection pack acts as protection for initial fuse(s) it shall be marked with the statement: "Must be sold as packaged". This statement shall appear adjacent to the type name or category. For printing <u>4.8</u> applies.

Table 1 — Safety information

Fireworks type	Category	Minimum labelling requirements	Placing instructions
aerial wheels	3	'For outdoor use only'	
		'Avoid overhead obstructions'	
		'Place singly on launching device provided the correct way up'	
		'Remove orange fuse cover' (if applicable)	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
bangers	2	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Place singly on ground and light fuse at its outermost end and retire immediately at least 8 m ', or	
		'Standing sideways, light ignition head and retire immediately at least 8 m' or	
		'Ignite on the striking surface, place banger on the ground and retire immediately at least 8 m' (whichever is appropriate)	
	3	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Place singly on ground and light fuse at its outermost end and retire immediately at least 15 m' or	
		'Standing sideways, light ignition head and retire immediately at least 15 m' $or$	
		'Ignite on the striking surface, place banger on the ground and retire immediately at least 15 m' (whichever is appropriate)	
		'Spectators must be at least 25 m away'	
batteries	1	'Keep away from eyes and ears'	
(party poppers)		'Hold at arms length and point base away from body and not towards people or animals'	
		'Pull string firmly and sharply'	
batteries (with	2	'For outdoor use only'	
one fuse)		'Avoid overhead obstructions' (if applicable)	
		For batteries where the tubes are placed at an angle:	
		'Do not fire near tall buildings, trees or similar'	
		'Remove orange fuse cover' (if applicable)	
		'Place battery on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m"	
		An arrow indicating firing direction shall be part of the label (if applicable).	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
batteries (with	3	'For outdoor use only'	
one fuse)		'Avoid overhead obstructions' (if applicable)	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Remove orange fuse cover' (if applicable)	
		'Place battery on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
batteries (with	2	'This firework contains two fuses'	
two fuses)		'For outdoor use only'	
		'Avoid overhead obstructions' (if applicable)	
		For batteries where the tubes are placed at an angle:	
		'Do not fire near tall buildings, trees or similar'	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		'Place battery on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then	
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the second fuse and standing sideways, light fuse at its outermost end and retire immediately at least 8 m'	
		An arrow indicating firing direction shall be part of the label (if applicable).	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
batteries (with	3	'This firework contains two fuses'	
two fuses)		'For outdoor use only'	
		'Avoid overhead obstructions' (if applicable)	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		'Place battery on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then	
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the second fuse and standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
batteries	2	'For outdoor use only'	For batteries requiring external support
requiring external support		'Avoid overhead obstructions' (if applicable)	to be buried into soft ground or material:
(with one fuse)		For batteries requiring external support where the tubes are placed at an angle:	'Insert article upright in soft ground or other non-flammable material, e.g. sand'.
		'Do not fire near tall buildings, trees or similar'	For batteries requiring external support to be fixed to a post:
		'Remove orange fuse cover' (if applicable)	'Fix article firmly and upright to a solid post'
		< placing instructions >	'Ensure top of article clears post'
		'Standing sideways, light fuse at its out- ermost end and retire immediately at least 8 m"	For batteries requiring external support to be supported by heavy objects, e.g. sand bags:
		An arrow indicating firing direction shall be part of the label (if applicable).	'Closely surround article with heavy objects on all sides.'
		C TEE TO S	For batteries requiring external support supplied with a special holding device, or for which particular instructions are necessary, the manufacturer or importer shall provide appropriate instructions

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
batteries	3	'For outdoor use only'	(see placing instructions for category 2
requiring external support		'Avoid overhead obstructions' (if applicable)	batteries requiring external support)
(with one fuse)		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Remove orange fuse cover' (if applicable)	
		< placing instructions >	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
batteries		'This firework contains two fuses'	For batteries requiring external support
requiring external support		'For outdoor use only'	to be buried into soft ground or material:
(with two fuses)		'Avoid overhead obstructions' (if applicable)	'Insert article upright in soft ground or other non-flammable material, e.g. sand'.
		For batteries requiring external support where the tubes are placed at an angle:	For batteries requiring external support to be fixed to a post:
		'Do not fire near tall buildings, trees or similar'	'Fix article firmly and upright to a solid post'
		'Identify first fuse and remove orange fuse	'Ensure top of article clears post'
		cover' (if applicable)	For batteries requiring external suppor to be supported by heavy objects, e.g
		< placing instructions >	sand bags:
		'Standing sideways, light fuse at its outer- most end and retire immediately at least 8 m'	'Closely surround article with heavy objects on all sides.'
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then	For batteries requiring external support supplied with a special holding device, or for which particular instructions are
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the second fuse and standing sideways, light fuse at its outermost end and retire immediately at least 8 m'	necessary, the manufacturer or importer shall provide appropriate instructions
		An arrow indicating firing direction shall be part of the label (if applicable).	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
batteries	3	'This firework contains two fuses'	(see placing instructions for category 2
requiring external support		'For outdoor use only'	batteries requiring external support)
(with two fuses)		'Avoid overhead obstructions' (if applicable)	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		< placing instructions >	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then	
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the second fuse and standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
Bengal flames	1	'For outdoor use only'	For Bengal flames to be placed flat on
		'Remove orange fuse cover' (if applicable)	the ground:
		'Do not inhale smoke'	'Place Bengal flame flat on the ground'.
		< placing instructions >	For Bengal flames to be buried into soft ground or material:
		'Standing sideways, light fuse at its outermost end and retire immediately at least 1 m', <i>or</i>	'Insert Bengal flame upright in soft ground or other non-flammable material, e.g. sand'.
		'Standing sideways, light ignition head and retire immediately at least 1 m' or	For Bengal flames supplied with a special holding device, or for which particular instructions are necessary, the manufac-
		'Standing sideways, light sealing paper and retire immediately at least 1 m' (whichever is appropriate)	turer or importer shall provide appropriate
	2	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Do not inhale smoke'	
		< placing instructions >	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m', $or$	
		'Standing sideways, light ignition head and retire immediately at least 8 m' (whichever is appropriate)	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
Bengal flames	3	'For outdoor use only'	(see placing instructions for category 1
		'Remove orange fuse cover' (if applicable)	and 2 Bengal flames)
		'Do not inhale smoke'	
		< placing instructions >	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m', or	
		'Standing sideways, light ignition head and retire immediately at least 15 m' (whichever is appropriate)	
		'Spectators must be at least 25 m away'	
Bengal matches	1	'Ignite on the striking surface'	
		'Use singly'	
		'Use only above non-flammable surface'	
		'Do not carry Bengal matches loose in the pocket'	
Bengal sticks	1	'For outdoor use only'	
		'Use singly'	
		'Light one Bengal stick at time at its outermost end'	
		'Do not use in windy conditions'	
		'Hold horizontally'	
		Keep Bengal stick away from any part of the body and flammable materials'	
		Do not inhale smoke'	
Bengal sticks	2	'For outdoor use only'	
		'Use singly'	
		'Light one Bengal stick at time at its outermost end'	
		'Do not use in windy conditions'	
		'Hold horizontally'	
		'Keep Bengal stick away from any part of the body and flammable materials'	
		'Do not inhale smoke'	
Christmas	1	'Do not pull near eyes or ears'	
crackers		'Pull both ends at arms length firmly and sharply'	
		'Do not remove snap'	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
combinations	2	'For outdoor use only'	
(with one fuse)		'Avoid overhead obstructions' (if applicable)	
		For combinations where the tubes are placed at an angle:	
		'Do not fire near tall buildings, trees or similar'	
		'Remove orange fuse cover' (if applicable)	
		'Place combination on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m"	
		An arrow indicating firing direction shall be part of the label (if applicable).	
combinations	3	'For outdoor use only'	
(with one fuse)		'Avoid overhead obstructions' (if applicable)	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Remove orange fuse cover' (if applicable)	
		'Place combination on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
combinations	2	'This firework contains two fuses'	
(with two fuses)	5)	'For outdoor use only'	
		'Avoid overhead obstructions' (if applicable)	
		For combinations where the tubes are placed at an angle:	
		'Do not fire near tall buildings, trees or similar'	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		'Place combination on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then	
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the second fuse and standing sideways, light fuse at its outermost end and retire immediately at least 8 m'	
		An arrow indicating firing direction shall be part of the label (if applicable).	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
combinations	3	'This firework contains two fuses'	
(with two fuses)		'For outdoor use only'	
		'Avoid overhead obstructions' (if applicable)	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		'Place combination on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then	
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the second fuse and standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
combinations	2	'For outdoor use only'	For combinations requiring external
requiring external support		'Avoid overhead obstructions' (if applicable)	support to be buried into soft ground or material:
(with one fuse)		For combinations requiring external support where the tubes are placed at an angle:	'Insert article upright in soft ground or other non-flammable material, e.g. sand'.
		'Do not fire near tall buildings, trees or similar'	For combinations requiring external support to be fixed to a post:
		'Remove orange fuse cover' (if applicable)	'Fix article firmly and upright to a solid post'
		< placing instructions >	'Ensure top of article clears post'
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m"	For combinations requiring external support to be supported by heavy objects, e.g. sand bags:
		An arrow indicating firing direction shall be part of the label (if applicable).	'Closely surround article with heavy objects on all sides.'
			For combinations supplied with a special holding device, or for which particular instructions are necessary, the manufacturer or importer shall provide appropriate instructions

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions	
combinations	3	'For outdoor use only'	(see placing instructions for category 2	
requiring external support		'Avoid overhead obstructions' (if applicable)	combinations requiring external support)	
(with one fuse)		'Do not fire near tall buildings, trees or similar' (if applicable)		
		'Remove orange fuse cover' (if applicable)		
		< placing instructions >		
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'		
		'Spectators must be at least 25 m away'		
		An arrow indicating firing direction shall be part of the label (if applicable).		
combinations	2	'This firework contains two fuses'	For combinations requiring external	
requiring external support		'For outdoor use only'	support to be buried into soft ground or material:	
(with two fuses)		'Avoid overhead obstructions' (if applicable)	'Insert article upright in soft ground or	
				other non-flammable material, e.g. sand'.
		where the tubes are placed at an angle: 'Do not fire near tall buildings, trees or similar'	For combinations requiring external	
		'Identify first fuse and remove orange fuse	'Fix article firmly and upright to a solid post'	
		cover' (if applicable)	'Ensure top of article clears post'	
		< placing instructions >	For combinations requiring external support to be supported by heavy objects,	
		most end and retire immediately at least 8	'Standing sideways, light fuse at its outer-	e.g. sand bags:
			'In the event that the firework fails to	
		function completely, wait 15 min before	For combinations requiring external	
		returning to the firework and then	support supplied with a special holding	
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK,	device, or for which particular instructions are necessary, the manufacturer	
		locate the second fuse and standing side-	or importer shall provide appropriate	
		ways, light fuse at its outermost end and retire immediately at least 8 m'	Instructions	
		An arrow indicating firing direction shall be part of the label (if applicable).		

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
combinations	3	'This firework contains two fuses'	(see placing instructions for category 2
requiring external support		'For outdoor use only'	combinations requiring external support)
(with two fuses)		'Avoid overhead obstructions' (if applicable)	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		< placing instructions >	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then	
		ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the second fuse and standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
compound	2	'For outdoor use only'	
fireworks (with one fuse)		'Avoid overhead obstructions' (if applicable)	
		'There are delays during functioning.'	
		For compound fireworks where the tubes are placed at an angle:	
		'Do not fire near tall buildings, trees or similar'	
		'Remove orange fuse cover' (if applicable)	
		'Place compound firework on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m"	
		'In the event that the compound firework fails to function completely, wait 15 min before returning to the firework.'	
		An arrow indicating firing direction shall be part of the label (if applicable).	

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 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
compound	3	'For outdoor use only'	
fireworks (with one fuse)		'Avoid overhead obstructions' (if applicable)	
		'There are delays during functioning.'	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Remove orange fuse cover' (if applicable)	
		'Place compound firework on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		'In the event that the compound firework fails to function completely, wait 15 min before returning to the firework.'	
		An arrow indicating firing direction shall be part of the label (if applicable).	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
compound	2	'This firework contains two fuses'	
fireworks (with two fuses)		'For outdoor use only'	
14303		'There are delays during functioning.'	
		'Avoid overhead obstructions' (if applicable)	
		For compound fireworks where the tubes are placed at an angle:	
		'Do not fire near tall buildings, trees or similar'	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		'Place compound firework on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 8 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the reserve fuse and standing sideways, light fuse at its outermost end and retire immediately at least 8 m'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
	3	'This firework contains two fuses'	
		'For outdoor use only'	
		'There are delays during functioning.'	
		'Avoid overhead obstructions' (if applicable)	
		'Do not fire near tall buildings, trees or similar' (if applicable)	
		'Identify first fuse and remove orange fuse cover' (if applicable)	
		'Place compound firework on flat ground'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then ENSURING THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK, locate the reserve fuse and standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
cracklinggranules	1	'For outdoor use only';	
		'Place singly on ground'.	
		'Remove orange fuse cover' (if applicable)	
		'Light fuse at its outermost end and retire immediately at least 1 m'.	
	2	'For outdoor use only';	
		'Place singly on ground';	
		'Remove orange fuse cover'; (if applicable)	
		'Light fuse at its outermost end and retire immediately at least 8 m'.	
double bangers	2	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Place vertically on flat ground and light fuse at its outermost end and retire im- mediately at least 8 m'	
double flash	3	'For outdoor use only'	
bangers		'Remove orange fuse cover' (if applicable)	
		'Place vertically on flat ground and light fuse at its outermost end and retire im- mediately at least 15 m'	
		'Spectators must be at least 25 m away'	
flash bangers	1	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Place singly on ground and light fuse at its outermost end and retire immediately at least 1 m'	
	2	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Place singly on ground and light fuse at its outermost end and retire immediately at least 8 m'	
	3	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Place singly on ground and light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
flash pellets	1	'Place singly on non-flammable surface'	
		'Ignite at the edge of the pellet and retire immediately at least 1 m', $\it or$	
		'Light fuse at its outermost end and retire immediately at least 1 m' <i>or</i>	
		'Light ignition head and retire immediately at least 1 m' (whichever is appropriate)	
	2	'For outdoor use only'	
		'Place singly on ground'	
		'Ignite at the edge of the pellet and retire immediately at least 8 m', <i>or</i>	
		'Light fuse at its outermost end and retire immediately at least 8 m' <i>or</i>	
		'Light ignition head and retire immediately at least 8 m' (whichever is appropriate)	
fountains	1	'Remove orange fuse cover' (if applicable)	
(for hand-held use; indoors)		'Light fuse at its outermost end', or	
,		'Light ignition head', or	
		'Light sealing paper' (whichever is appropriate)	
		'Hold at arms length and point away from body and other people and flammable materials'	
		(If the handle is an integral part of the body, the handle section shall be in a contrasting colour.)	
fountains	1	'Remove orange fuse cover' (if applicable)	
(for hand-held use; outdoors)		'For outdoor use only'	
,		'Ignite on the striking surface', or	
		'Light fuse at its outermost end', or	
		'Light ignition head' or	
		Light sealing paper' (whichever is appropriate)	
		'Hold at arms length and point away from body and other people'	
		'Do not point into the wind'	
fountains	1	'Remove orange fuse cover' (if applicable)	For fountains to be placed on the ground
(for indoor use)		< placing instructions >	'Place fountain upright on the ground'.
		'Standing sideways, light fuse at its outermost end and retire immediately at least 1 m', <i>or</i>	
		'Standing sideways, light ignition head and retire immediately at least 1 m', or	turer or importer shall provide appropriate instructions.
		'Standing sideways, light sealing paper and retire immediately at least 1 m' (whichever is appropriate)	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
Fountains	1	'For outdoor use only'	For fountains to be placed on the ground:
(for outdoor use)		'Remove orange fuse cover' (if applicable)	'Place fountain upright on the ground'.
		< placing instructions >	For fountains to be inserted into soft
		'Standing sideways, light fuse at its outermost end and retire immediately at least 1 m', <i>or</i>	ground or other material:  'Insert fountain upright in soft ground or other non-flammable material, e.g. sand'.
		'Standing sideways, light ignition head and retire immediately at least 1 m', or	For fountains supplied with a special holding device, or for which particular
		'Standing sideways, light sealing paper and retire immediately at least 1 m' (whichever is appropriate)	instructions are necessary, the manufacturer or importer shall provide appropriate instructions.
	2	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		< placing instructions >	
		'Standing sideways, light fuse at its outermost end and retire immediately at least $8~\mathrm{m}'$ , $or$	
		'Standing sideways, light ignition head and retire immediately at least 8 m', or	
		'Standing sideways, light sealing paper and retire immediately at least 8 m' (whichever is appropriate)	
	3	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		< placing instructions >	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	
ground movers	1	'For outdoor use only'	
		'Place on flat ground with a radius of at least 1 m' $$	
		'Do not hold in the hand'	
		'Remove orange fuse cover' (if applicable)	
		'Standing sideways, light fuse at its outermost end', $or$	
		'Standing sideways, light ignition head' (whichever is appropriate)	
	2	'For outdoor use only'	
		'Place on flat ground with a radius of at least 8 m'	
		'Do not hold in the hand'	
		'Remove orange fuse cover' (if applicable)	
		'Standing sideways, light fuse at its outermost end', or	
		'Standing sideways, light ignition head' (whichever is appropriate)	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
ground spinners	1	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)'	
		'Place singly on flat ground and light fuse at its outermost end and retire immediately at least 1 m'	
	2	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)'	
		'Place singly on flat ground and light fuse at its outermost end and retire immediately at least 8 m'	
hand-held	1	'Use singly over non-flammable surface'	
sparklers		'Light one sparkler at a time at its outer-most end'	
		'Keep sparkler away from any part of the body and flammable materials'	
		'Do not inhale smoke'	
		'Spent sparkler remains very hot, e.g. place in a bucket of water'	
	2	'For outdoor use only'	
		'Use singly'	
		'Light one sparkler at a time at its outer-most end'	
		'Keep sparkler away from any part of the body and flammable materials'	
		'Do not inhale smoke'	
		'Spent sparkler remains very hot, e.g. place in a bucket of water'	
jumping crackers	1	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Use singly'	
		'Place singly on ground and light fuse at its outermost end and retire immediately at least 1 m', or	
		'Place singly on ground and light ignition head and retire immediately at least 1 m' (whichever is appropriate)	
	2	'For outdoor use only'	
		'Remove orange fuse cover' (if applicable)	
		'Use singly'	
		'Place singly on ground and light fuse at its outermost end and retire immediately at least 8 m', or	
		'Place singly on ground and light ignition head and retire immediately at least 8 m' (whichever is appropriate)	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
jumping ground	2	'For outdoor use only'	
spinners		'Remove orange fuse cover' (if applicable)	
		'Place singly on flat ground, light fuse at its outermost end and retire immediately at least 8 m'	
		'Warning! Spinner jumps'	
		The top side of the jumping ground spinners shall be marked with 'This side up'	
mines	2	'For outdoor use only'	For mines to be placed on flat ground:
		'Avoid overhead obstructions'	'Place mine upright on flat ground'.
		< placing instructions >	For mines to be buried into soft ground:
		'Remove orange fuse cover' (if applicable)	'Bury two-thirds of mine upright in
		'Standing sideways, light fuse at its outer-	ground'.
		most end and retire immediately at least 8 m', or	_
		'Standing sideways, light ignition head and	'Fix mine firmly and upright to a solid post'
		retire immediately at least 8 m' (whichever is appropriate)	'Ensure top of mine clears post'.
		An arrow indicating firing direction shall be part of the label (if applicable).	
	3	'For outdoor use only'	(see placing instructions for category 2 mines)
		'Avoid overhead obstructions'	
		< placing instructions >	
		'Remove orange fuse cover' (if applicable)	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m', <i>or</i>	
		'Standing sideways, light ignition head and retire immediately at least 15 m' (whichever is appropriate)	
		'Do not fire near tall buildings, trees or similar'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label (if applicable).	
mini rocket	2	'For outdoor use only'	
		'Avoid overhead obstructions'	
		'Insert rocket stick into a stable launching device'	
		'Standing sideways, light fuse at its outer-most end and retire immediately at least 8 m'	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
nezumi-hanabi	1	'For outdoor use only'	
		'Place on flat ground with a radius of at least 1 m'	
		'Do not hold in the hand'	
		'Place singly on flat ground and light fuse at its outermost end and retire immediately at least 1 m'	
non-hand-held	1	'Use singly over non-flammable surface'	For non-hand-held sparklers supplied
sparklers		'Place a sparkler in the support provided; do not hold in the hand'	with a special holding device, or for which particular instructions are necessary, the manufacturer or importer shall provide
		'Light one sparkler at a time at its outermost end and retire immediately at least 1 m'	
		'Keep sparkler away from any part of the body and flammable materials'	
		'Do not inhale smoke'	
		'Spent sparkler remains very hot; do not touch'	
	2	'For outdoor use only'	
		'Use singly'	
		'Insert a sparkler upright in soft ground or attach it securely to an upright post; do not hold in the hand'	
		'Light one sparkler at a time at its outermost end and retire immediately at least 8 m'	
		'Keep sparkler away from any part of the body and flammable materials'	
		'Do not inhale smoke'	
		'Spent sparkler remains very hot; do not touch'	
novelty matches	1	'Ignite on the striking surface'	
		'Use singly'	
		'Use only above non-flammable surface'	
		'Do not carry novelty matches loose in the pocket'	
party poppers	1	'Keep away from eyes and ears'	
		'Hold at arms length and point base away from body and not towards people or animals'	
		'Pull string firmly and sharply'	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
rockets	2	'For outdoor use only' 'Avoid overhead obstructions'	For rockets with a single stick, supplied with a launching tube:
			'Insert launching tube in soft ground or
		<pre>&lt; placing instructions &gt; 'Remove orange fuse cover' (if applicable)</pre>	fix onto a post and angle slightly away
		'Standing sideways, light fuse at its outer-	'Insert rocket stick in launching tube'
		most end and retire immediately at least 8 m'	For rockets with a single stick, not supplied
	3	'For outdoor use only'	with a launching tube:
		'Avoid overhead obstructions'	'Insert rocket stick into a stable launching
		< placing instructions >	device'.
		'Remove orange fuse cover' (if applicable)	For rockets with two sticks:
		'Do not fire near tall buildings, trees or similar'	'Insert one of the rocket sticks into a stable launching device'.
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m.'	For rockets with fins or other such means for stabilization of flight and which are intended to be launched from the ground:
		'Spectators must be at least 25 m away'	'Place rocket vertically on flat ground'.
			For rockets supplied with a flat-based launcher the manufacturer or importer shall provide appropriate mounting instructions, to be preceded by:
			'Place launcher on flat ground or fix onto a post'.
Roman candles	2	'For outdoor use only'	For Roman candles to be placed on flat
		'Avoid overhead obstructions'	ground:
		< placing instructions >	'Place Roman candle upright on flat ground'.
		'Remove orange fuse cover' (if applicable)	For Roman candles to be buried into
		'Standing sideways, light fuse at its outer- most end and retire immediately at least 8 m'	soft ground:
		An arrow indicating firing direction shall be	'Bury one-third of the Roman candle upright in ground'.
	3	part of the label (if applicable).  'For outdoor use only'	For Roman candles to be inserted in soft ground:
		'Avoid overhead obstructions'	'Insert Roman candle upright in soft
		<pre>&lt; placing instructions &gt;</pre>	ground or other non-flammable material,
		'Remove orange fuse cover' (if applicable)	e.g. sand' 'Ensure Roman candle will not fall over'
		'Do not fire near tall buildings, trees or similar'	For Roman candles to be fixed to a post:
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m'	'Fix Roman candle firmly and upright to a solid post'
		'Spectators must be at least 25 m away'	'Ensure top of Roman candle clears post'.
		An arrow indicating firing direction shall be part of the label (if applicable).	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
senko-hanabi	1	'For outdoor use only'	
		'Use singly'	
		'Light one senko-hanabi at time at its outermost end'	
		'Do not use in windy conditions'	
		'Hold vertically downwards' or 'Hold up 45 degree'	
		'Keep senko-hanabi away from any part of the body and flammable materials'	
		'Do not inhale smoke'	
serpents	1	'Place singly on non-flammable surface'	
		'Light fuse at its outermost end', or	
		'Ignite at the edge of the pellet', or	
		'Light at the tip of the cone' (whichever is appropriate)	
		'Do not inhale smoke'	
shot tubes	2	'For outdoor use only'	For shot tubes to be placed on flat ground:
		'Avoid overhead obstructions'	'Place shot tube upright on flat ground'.
		< placing instructions >	For shot tubes to be buried into soft ground:
		'Remove orange fuse cover' (if applicable)	
		'Standing sideways, light fuse at its outer- most end and retire immediately at least 8 m'	in ground'. For shot tubes to be inserted in soft ground:
		An arrow indicating firing direction shall be part of the label. (if applicable)	'Insert shot tube upright in soft ground or other non-flammable material, e.g. sand'
	3	'For outdoor use only'	'Ensure shot tube will not fall over'.
		'Avoid overhead obstructions'	For shot tubes to be fixed to a post:
		< placing instructions >	'Fix shot tube firmly and upright to a
		'Remove orange fuse cover' (if applicable)	solid post'
		'Do not fire near tall buildings, trees or similar'	'Ensure top of shot tube clears post'.
		'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m.'	
		'Spectators must be at least 25 m away'	
		An arrow indicating firing direction shall be part of the label. (if applicable)	
snaps	1	'Do not fire near eyes or ears'	
		'Use singly'	
		'Pull strings at arms length firmly and sharply', or	
		'Pull strips at arms length firmly and sharply' (whichever is appropriate)	
		'Do not carry snaps loose in the pocket'	

 Table 1 (continued)

Fireworks type	Category	Minimum labelling requirements	Placing instructions
spinners	2	'For outdoor use only'	
		'Read this label and remove it' (if applicable)	
		'Place singly on flat ground the correct way up and light fuse at its outermost end'	
		'Retire immediately at least 8 m'	
		'Warning! Spinner ascends'	
		The top side of the spinners shall be marked with 'This side up'	
table bombs	1	'Remove orange fuse cover' (if applicable)	
		'Place on non-flammable surface'	
		'Spectators must be at least 1 m away'	
		'Standing sideways, light fuse at its outermost end and retire immediately at least 1 m'	
		'Do not use under light fittings'.	
throwdowns	1	'Use one at a time';	
		'Do not throw at or near people or animals'	
		'Throw onto hard ground'	
		'Do not carry throwdowns loose in the pocket'	
wheels	1	'For outdoor use only'	For vertical wheels mounted on a post:
		'Remove orange fuse cover' (if applicable)	
		'Straighten fuse carefully' (if appropriate)	mately y m to an upright post by means of a nail through the hole. Ensure the
		'Place singly on level ground and light fuse at its outermost end and retire immediately at least 1 m'	
	2	'For outdoor use only'	'Attach securely at a height of approxi-
	_	'Remove orange fuse cover' (if applicable)	mately y m to an upright post by means of the nail supplied through the hole. Ensure
		<pre><pre>&lt; placing instructions &gt;</pre></pre>	the wheel is free to rotate'.
		'Straighten fuse carefully' (if appropriate)	For horizontal wheels mounted on top of a post:
		'Light fuse at its outermost end and retire immediately at least 8 m'	
	3	'For outdoor use only'	means of a nail through the hole. Ensure
		'Remove orange fuse cover' (if applicable)	the wheel is free to rotate'.
		< placing instructions >	For horizontal wheels with a nail supplied:
		'Straighten fuse carefully and attach it to the post' (if appropriate)	'Attach securely at a height of approximately y m on top of an upright post by
		'Light fuse at its outermost end and retire immediately at least 15 m'	
		'Spectators must be at least 25 m away'	(The recommended mounting height, y, is 1,7 m for category 2 wheels and 2,75 m for category 3 wheels.)

# Annex A

(informative)

#### Non-Latin letters

#### A.1 Japanese characters

In case of Japanese characters, the height and width of the character " $\mathbb{Z}$ " is at least 2,8 mm for the information on fireworks type and category ( $\frac{4.2}{10}$ ), safety information ( $\frac{4.6}{10}$ ) and additional information ( $\frac{4.10}{10}$ ) on the primary pack, if applicable, and at least 2,1 mm for the other information.

#### A.2 Hebrew characters

In case of Hebrew characters, the height and width of the character " $\mathbb{Z}$ " is at least 2,8 mm for the information on fireworks type and category (4.2), safety information (4.6) and additional information (4.10) on the primary pack, if applicable, and at least 2,1 mm for the other information.

#### A.3 Chinese characters

In case of Chinese characters, the height and width of the character " $\boxed{2}$ " is at least 2,8 mm for the information on fireworks type and category (4.2), safety information (4.6) and additional information (4.10) on the primary pack, if applicable, and at least 2,1 mm for the other information.

