
**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 www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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: www.iso.org/iso/foreword.html.

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;

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

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

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.

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*

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

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 4.1 to 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.

XXXX - YY - ZZZZ...

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 [Table 1](#), in a logical sequence, for the relevant type of firework. If necessary, instructions in addition to those specified in [Table 1](#) may be given. The appropriate placing instructions, selected from those specified in [Table 1](#), 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 [Annex A](#) 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 [Table 1](#), 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 [4.8](#) applies.