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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 190-2009

**Packing symbol of dangerous goods
(English Translation)**

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1 Scope

This Standard specifies the type figure, dimension, color and use method of the diagrammatic labels for packages of dangerous goods (hereinafter referred to as label).

This Standard is applicable to the transportation and package of dangerous goods.

2 Normative references

The provisions of the following documents become provisions of this Standard after being referenced. For dated reference documents, all later amendments (excluding corrigenda) and versions do not apply to this Standard; however, the parties to the agreement are encouraged to study whether the latest versions of these documents apply. For undated reference documents, the latest versions apply to this Standard.

GB/T 191, Packaging and storage marks

GB 6944, Classification and Code of Dangerous Goods

GB 11806-2004, Regulations for the safe transport of radioactive material

GB 12268, List of dangerous goods

3 Symbol classifications

The symbols are divided into Marks (see Table 1) and Labels (see Table 2).

There are 4 Marks and 26 Labels, their pictures indicate the main characters of the 9 Classes dangerous goods.

4.1 Symbol Dimension

The dimensions of the symbols generally divide into 4 types, see Table 3.

5 Symbol Application Methods

5.1

Each type of dangerous goods shall be differentiated, and required symbols shall be applied in accordance with the relevant provisions as specified in GB

6944, GB 12268 and as prescribed by the national competent authority for transport. The symbols used for export goods shall be used in accordance with

Annex A (normative)

Application Requirements for Marking and Labelling

A.1.1 Unless otherwise specified, the proper shipping name for the dangerous

goods as determined in accordance with GB 12286 and the corresponding number, shall be displayed on each package. In the case of unpackaged articles, the marking shall be displayed on the article, on its cradle or on its handling, storage or launching device.

A.1.2 All package markings specified in A.1.1.

A.1.3 Salvage packaging shall also be marked with the word "SALVAGE".

A.1.4 Intermediate bulk containers of more than 450L capacity and large

packaging shall be marked on two opposing sides.

A.1.5 Special marking provisions for class 7.

A.2.1.1 These provisions relate essentially to classified labels of contents

(shown in Table 2). However, additional markings or symbols indicating precautions to be taken in handling or storing a package (e.g. A symbol representing an umbrella indicating that a package shall be kept dry) may be appropriately displayed on a package.

A.2.1.2 Labels identifying primary and subsidiary risks shall conform to models

No. 1 to No. 9 illustrated in Table 2. The "EXPLOSIVE" subsidiary risk label shall be model No. 1.

A.2.1.3 Where articles or substances are specifically listed in the Dangerous

Goods List, a danger class label shall be affixed for the hazard shown in Column

4 of GB 12268. A subsidiary risk label shall also be affixed for any risk indicated by a class

or division number in the Column 5 of the Dangerous Goods List.

However, special provisions may also require a subsidiary risk label where no subsidiary risk is indicated in Column 5 or may be exempt from the requirement for a subsidiary risk label where such a risk is indicated in the Dangerous Goods

List.

A.2.1.4 If a substance which meets the definition of more than one class is not specifically listed by name in the Dangerous Goods List in GB 12268, the provisions in GB 6944 shall be used to determine the primary risk class of the goods. In addition to the label required for that primary risk class, subsidiary risk labels shall also be applied as specified in the Dangerous Goods List.

Packages containing substances of Category 8 need not bear the subsidiary risk label model No. 6.1 if the toxicity arises solely from the destructive effect on tissue. Packages containing substances of Division 4.2 need not bear the subsidiary risk label model No. 4.1.

A.2.1.5 See Table A.1 for the labels for Category 2 gases with subsidiary risk (s).

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