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

**GB 13392-2023**

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**Vehicle marking of dangerous goods for road transportation**

道路运输危险货物车辆标志

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## Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents" Drafting. This document replaces GB 13392-2005 "Vehicle Markings for Road Transport of Dangerous Goods". Compared with GB 13392-2005, except for structural adjustments In addition to editorial changes, the main technical changes are as follows:

- a) Added terms and definitions (see Chapter 3);
- b) Changed the classification requirements, appearance and size requirements (see 4.1, 4.2, 3.1, 3.3 of the.2005 edition);
- c) Deleted the requirements for structure, type, and size of sign lights (see 3.3.1 of the.2005 edition);
- d) Added size requirements for rectangular signs and special signs (see 4.2.1 and 4.2.3);
- e) Changed the size requirements for diamond-shaped signs (see 4.2.2, 3.3.2 of the.2005 version);
- f) Deleted the number plate requirements for sign lights and technical requirements for sign lights (see

4.1 of the 2005 edition);

g) Added general requirements, technical requirements for appearance quality, photometric performance, colorimetric performance, solvent resistance, salt spray corrosion resistance, weather resistance Performance and adhesion performance technical requirements (see 5.1~5.4, 5.7~5.10);

## 1 Scope

China's mandatory national standard for the marking of vehicles carrying dangerous goods by road. The marking exists for the people who arrive after a crash: the fire crew who must know, before they get close, whether the load is a flammable liquid, a corrosive, a toxic gas or an oxidiser, because the response to each is different and the wrong one makes it worse. So the standard specifies the hazard placards and their placement on the vehicle and the tank, the orange plate carrying the hazard identification number and the UN number, the dimensions and colours that must be legible and recognisable at distance, and the retro-reflective performance that keeps them readable at night by the light of a headlamp. It applies to the vehicles used for the road transport of dangerous goods in China, and it is deliberately aligned with the international system so the marking reads the same across a border.

This document stipulates the classification, appearance and size, technical requirements, test methods, inspection rules, and standards of vehicle markings for road transportation of dangerous goods. identification, packaging and transportation, as well as product installation requirements and maintenance requirements during use. This document applies to the production and use of vehicle markings for road transportation of dangerous goods. This document does not apply to vehicle markings for road transport of radioactive materials.

## 2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB 190 Dangerous goods packaging markings

GB/T 191 Packaging, storage and transportation pictorial mark

GB/T 2918-2018 Standard environment for condition adjustment and testing of plastic specimens

GB/T 3880.2 Aluminum and aluminum alloy plates and strips for general industrial use Part

### 3 Terms and definitions

The following terms and definitions apply to this document.

3.1 A sign indicating the dangerous nature of the goods carried by the vehicle.

3.2 UNnumber United Nations number A four-digit Arabic number compiled by the United Nations Committee of Experts on the Transport of Dangerous Goods to identify a substance or article or a category of special Definite substance or article. [Source: GB 6944-2012,3.2]

3.3 A group of numbers or a combination of the letter X and numbers indicating the danger of dangerous goods.