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中华人民共和国国家标准
NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 13392-2023
Replaces GB 13392-2005

**Vehicle Marking of Dangerous Goods for Road
Transportation**
道路运输危险货物车辆标志

(English Translation)

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CONTENTS

Foreword	1
1 Scope	1
2 Normative References	1
3 Terms and Definitions.....	1
4 Classification, Appearance and Dimensions	2
5 Technical Requirements	6
6 Test Methods.....	7
7 Inspection Rules	9
8 Marking, Packaging and Transportation.....	10
9 Installation Requirements.....	11
10 Maintenance in Use	11
Annex A (Normative) Hazard Identification Numbers	12
Annex B (Normative) Graphics of Rhombic Mark Plates and Special Mark Plates	16
Annex C (Normative) Installation Requirements for Mark Plates	23
Annex D (Normative) Schematic Diagrams Showing Installation of Mark Plates	26
Bibliography	37

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FOREWORD

This document is drafted in accordance with the rules given in GB/T 1.1-2020 “*Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents*”.

This document replaces GB 13392-2005 “*The vehicle mark for road transportation dangerous goods*”. In addition to structural adjustments and editorial modifications, the following technical deviations have been made with respect to GB 13392-2005:

- a) Added the terms and definitions (See Clause 3);
- b) Modified the requirements for classification, appearance and dimensions (See 4.1 and 4.2 vs. 3.1 and 3.3 of GB 13392-2005);
- c) Deleted the requirements for structure and type and marker lamp dimensions (See 3.2 and 3.3.1 of GB 13392-2005);
- d) Added the dimensional requirements for rectangle mark plate and special mark plate (See 4.2.1 and 4.2.3);
- e) Modified the dimensional requirements for rhombic mark plate (See 4.2.2 vs. 3.3.2 of GB 13392-2005);
- f) Deleted the requirements for marker lamp number plate and the technical requirements for marker lamp (See 3.4 and 4.1 of GB 13392-2005);
- g) Added the general requirements, and the technical requirements for appearance quality, photometric performance, colorimetric performance, solvent resistance, salt spray resistance, weathering resistance, and adhesion performance (See 5.1 to 5.4 and 5.7 to 5.10);
- h) Modified the technical requirements for impact resistance and high-and-low temperature resistance (See 5.5 and 5.6 vs. 5.3, 5.4 and 5.6 of GB 13392-2005);
- i) Added the test conditions and general test requirements (See 6.1 and 6.2);
- j) Modified the appearance quality test method (See 6.3 vs. 5.1 of GB 13392-2005);
- k) Deleted the luminosity quality test method (See 5.2 of GB 13392-2005);
- l) Added the test methods of photometric performance, colorimetric performance, solvent resistance, salt spray resistance, weathering resistance, adhesion performance, and fire resistance (See 6.4, 6.5, and 6.8 to 6.12);
- m) Modified the test methods of impact resistance and high-and-low temperature resistance (See 6.6 and 6.7 vs. 5.3, 5.4 and 5.6 of GB 13392-2005);
- n) Deleted the vibration test method (See 5.5 of GB 13392-2005);
- o) Modified the delivery inspection requirements and the type inspection requirements (See 7.1.2 and 7.2 vs. 6.1.2 and 6.2 of GB 13392-2005);
- p) Added the requirements for batch grouping and sampling, and pass criteria (See 7.3 and 7.4);
- q) Deleted the requirements for packaging and marking of marker lamp (See 7.1.1 and 7.2.1.1 of GB 13392-2005);
- r) Modified the mark plate marking requirements, package marking requirements, and handling and transportation requirements (See 8.1.1, 8.1.2 and 8.3 vs. 7.2.1.2, 7.2.2 and 7.3 of GB 13392-2005);
- s) Deleted the storage requirements and marker lamp suspension requirements (See 7.4 and 8.1 of GB 13392-2005);
- t) Modified the mark plate suspension requirements (See Clause 9 vs. 8.2 of GB 13392-2005);
- u) Deleted the requirements for service life of marker lamp and mark plate (See 9.3 of GB 13392-2005);
- v) Added the hazard identification number (See Annex A);
- w) Modified the graphics and quantity of rhombic mark plates, and added the graphics of special mark

plates (See Annex B vs. Annex A of GB 13392-2005);

- x) Deleted the marker lamp mounting positions (See Annex B of GB 13392-2005);
- y) Added the installation requirements for mark plates (See Annex C);
- z) Modified the schematic diagrams showing installation of mark plates (See Annex D vs. Annex C of GB 13392-2005).

This document was proposed by, and is under the jurisdiction of, the Ministry of Transport of the People's Republic of China.

The previous editions of this document are as follows:

- This document was first issued in 1992 as GB 13392-1992, and first revised in 2005;
- This edition is the second revision.

Vehicle Marking of Dangerous Goods for Road Transportation

1 SCOPE

This document specifies the classification, appearance and dimensions, technical requirements, test methods, inspection rules, marking, packaging and transportation, product installation requirements, and requirements for maintenance in use, with respect to the vehicle marking of dangerous goods for road transportation.

This document is applicable to the manufacture and use of vehicle marking of dangerous goods for road transportation.

This document is not applicable to the vehicle marking of radioactive substances for road transportation.

2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

GB 190	Packing symbol of dangerous goods
GB/T 191	Packaging - Pictorial marking for handling of goods
GB/T 2918-2018	Plastics - Standard atmospheres for conditioning and testing
GB/T 3880.2	Wrought aluminum and aluminum alloy plates, sheets and strips for general engineering - Part 2: Mechanical properties
GB/T 6543	Single and double corrugated boxes for transport packages
GB/T 10125	Corrosion tests in artificial atmospheres- Salt spray tests
GB/T 16422.2	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps
GB/T 18833-2012	Retroreflective sheeting for traffic control
GB/T 20878	Stainless and heat-resisting steels-Designation and chemical composition
GA 666	Retro-reflective sheeting for license plates of motor vehicles
JT/T 617.3-2018	Regulations concerning road transportation of dangerous goods-Part 3: Index of dangerous goods name and transportation requirement

3 TERMS AND DEFINITIONS

For the purpose of this document, the following terms and definitions apply.

3.1 vehicle marking of dangerous goods

A mark plate indicating the information on hazardous nature of goods carried by a vehicle

3.2 UN number

A number with four Arabic numerals prepared by the United Nations Committee of Experts on the Transport of Dangerous Goods, used to identify a substance or article or a category of specific substances or articles

[Source: GB 6944-2012, 3.2]

3.3 hazard identification number

A group of numbers or a combination of letter X and number(s) indicating the hazard of dangerous goods

Note: the classification code of explosive substances of Class 1 can be used as the hazard identification number.

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