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

GB 19433-2009

Replacing GB 19433.2-2004

**Safety code for inspection of packaging of dangerous goods
transported by air**

空运危险货物包装检验安全规范

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Foreword

The standard Chapter 5, Section 6, Chapter 7 and Chapter 8 are mandatory, the rest are recommended. This standard replaces GB 19433.1-2004 "inspection of packaging of dangerous goods by air safety norms General", GB 19433.2-2004 "empty Packaging of dangerous goods transport safety regulations test performance test "and GB 19433.3-2004" inspection of packaging of dangerous goods by air safety norms Use appraisal. " This standard is mainly to modify the contents of the above criteria.

--- On the part of the technical content has been modified so that it and the United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" (15 repair Revised Edition), ICAO (ICAO) "Safe Transport of Dangerous Goods Aviation Technical Regulations" (2007-2008 edition) and the International Air Fully consistent Association (IATA) promulgated the "Carriage of Dangerous Goods Safety Technical Code" (2008 edition) about the technical content;

--- On a standard text format according to GB/T 1.1-2000 made editorial changes. The

Standard Annexes A and B are normative appendix. This standard Appendices C and D are informative appendices. This standard is managed by the National Standardization Technical Committee chemicals dangerous (SAC/TC251) and focal points. This standard is drafted by: Tianjin CIQ. Participated in the drafting of this standard. Hunan CIQ. The main drafters of this standard. Wangli Bing, Lining Tao, Feng Chi Yu, Lu Gang, Zhang Yuan, Lei Zhou. This standard replaces the standards previously issued as follows:

- GB 19433.1-2004;
- GB 19433.2-2004;
- GB 19433.3-2004. Inspection of packaging of dangerous goods by air safety norms

1 Scope

GB 19433-2009 is the Chinese national standard on safety code for inspection of packaging of dangerous goods transported by air, in the field of packaging and distribution of goods. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 21 June 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2010. Classification: ICS 55.020, CCS A80. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the classification in addition to Chapter 4, category 2, Section 6.2, Class 7 other than the packaging of dangerous goods by air classification, code, and Marking, requirements, performance testing, the use of identification. This standard applies to Chapter 4, in addition to the classification of Class 2, 6.2, Class 7 other than the packaging of dangerous goods by air and make the performance test With identification. This standard does not apply to a volume of more than 450L, net weight of more than 400kg of packaging of dangerous goods by air test.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 325 packaging containers steel drums

GB/T 1540 absorbent paper and cardboard assays Cobb method

GB/T 2828.1-2003 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch test sample plan

GB/T 4122.1 Packaging - Terminology - Part 1. Basic

GB/T 4857.3 Basic tests for transport packages - Part 3. Test methods for stacking static load

GB/T 4857.5 packaging transport package drop test methods

GB/T 17344 Test Method for airtight packaging containers ICAO "Safe Transport of Dangerous Goods Aviation Technical Regulations" United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" (15th revised edition)

3 Terms and Definitions

GB/T 4122.1 and established the following terms and definitions apply to this standard.

3.1 It made of metal, wood, plywood, reconstituted wood, fibreboard, plastic or other suitable material to make a complete rectangular or polygonal container. only Either destroy or jeopardize the integrity of the packaging, with a permit to transport operations or to meet the classification requirements of small ports (holes) on the package.

3.2 Flat or convex cylindrical container made of metal, fiber, both ends of the plastic, plywood or other suitable material is.

3.3 It made of paper, plastic film, textiles, woven material or other suitable material of the flexible container.

3.4 Rectangular or polygonal cross-section of a metal or plastic container.

3.5 One or more receptacles, and receptacles other components or materials storage is to achieve its desired function.

3.6 The need for a container vessel from the outer vessel to the role.

3.7 Other containers and container components or materials to achieve the effect of storage is needed.

3.8 External protection device or combination packaging together with the composite to receive protected content is required or absorbent materials, gaskets and other components.

3.9 Required outer packaging during transport.

3.10 In use, having dressed functional package does not require any packaging.

3.11 For transport purposes, one or more packages, packed in an outer packaging mix formed.

3.12 A shipper in order to facilitate handling during transport and storage of one or more of installed packages together to form a unit used Packing.

3.13 By an outer container and the contents of a package composed configured so that the inner and outer containers form a complete package. This package After loading the assembled, it will become a single complete unit for the entire loading, storage, transport and emptying.

4.1 Dangerous Goods Classification

4.1.1 Dangerous Goods by having danger or major risk is divided into nine categories. Some categories are subdivided into divisions. Categories and items Other numbers are not sequential order of the degree of danger.

4.1.2 Class 1. Explosives

- 1.1. a mass explosion hazard substances and articles;
- 1.2. There is a projection hazard but not a mass explosion hazard substances and articles;
- 1.3. There is a fire hazard and a minor blast hazard or partial projection hazard or both have dangerous, but not a mass explosion hazard Substances and articles;
- 1.4. present no significant hazard substances and articles;
- 1.5. a mass explosion hazard Very insensitive substances;
- 1.6. extremely insensitive articles without a mass explosion hazard.

4.1.3 Class 2. gas

- 2.1. flammable gases;
- 2.2. Non-flammable, non-toxic gases;
- 2.3. toxic gases.

4.1.4 Class 3. Flammable liquids Substance with water, emit flammable gases; flammable solids; substances liable to spontaneous combustion.

4.1.5 Class 4

- 4.1. Flammable solids, self-reactive substances and solid desensitized explosives;
- 4.2. Substances liable to spontaneous combustion;