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

GB 19434-2009

Replacing GB 19434.2-2004

Safety code for inspection of IBCs for dangerous goods

危险货物中型散装容器检验安全规范

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Foreword

The standard Chapter 4, Chapter 5, Chapter 6 and Chapter 7 are mandatory, others are recommended. This standard replaces GB 19434.1-2004 "dangerous goods safety inspection intermediate bulk containers General specifications", GB 19434.2-2004 "Dangerous goods safety inspection regulate the use of intermediate bulk containers identified." This standard is mainly to modify the contents of the above criteria.

--- On the part of the technical content has been modified to make technical and content standards related to the packaging of the United Nations "Recommendations on the Transport of Dangerous Goods Model Regulations "(Rev. 15), its technical contents and said exactly the same rules;

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

Standard Annexes A and B 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, Chi Yu Feng, Zhao Qing, Zhang Yuan, Lei Zhou. This standard replaces the standards previously issued as follows:

--- GB 19434.1-2004;

--- GB 19434.2-2004. Dangerous goods safety inspection specification intermediate bulk containers

1 Scope

GB 19434-2009 is the Chinese national standard on safety code for inspection of ibcs for dangerous goods, 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 C66. 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 of dangerous goods in intermediate bulk containers, code and markup, general requirements and use appraisal. This standard applies to testing and identification of intermediate bulk containers of dangerous goods.

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/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 19433-2009 inspection of packaging of dangerous goods by air safety norms

GB 19434.3-2004 dangerous goods wooden intermediate bulk container security inspection

test performance specifications

GB 19434.4-2004 dangerous goods safety inspection of flexible intermediate bulk containers standardized performance test Dangerous goods safety inspection

GB 19434.5-2004 metal intermediate bulk containers performance test specification

GB 19434.6-2004 dangerous goods safety inspection of composite intermediate bulk containers performance test specification

GB 19434.7-2004 dangerous goods safety inspection fibreboard intermediate bulk containers performance test specification

GB 19434.8-2004 dangerous goods safety inspection rigid plastic IBCs specification performance test 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 GB 19433 and established the following terms and definitions apply to this standard.

3.1 Also known as medium-sized bulk containers, rigid or flexible means movable container outside a predetermined range of GB 19433, these containers.

a) has the following capacity. 1) mounted II Packing and packaging group III solids and liquids not more than 3.0m³ (3000L); 2) class I packaging solid, such as when mounted on flexible, rigid plastics, composite, fibreboard and wooden IBCs not more than 1.5m³; 3) class I packaging solid, such as mounted on the metal intermediate bulk containers of not more than 3.0m³;

b) Design of mechanical handling;

c) be able to withstand handling and transportation stresses generated, the stress is determined experimentally.

3.2 The container itself, including the opening and closing means, but does not include auxiliary equipment. It applies to all types except composite intermediate bulk containers The intermediate bulk containers.

3.3 A variety of rings fixed to the intermediate bulk containers or tank extending from the housing material and the formation of loops, hook and eye and frameworks. Suitable for flexible Intermediate bulk containers.

3.4 Quality of housing and its auxiliary equipment and structural equipment plus the maximum permissible load mass (Applies to all types of FIBC Bulk containers).

3.5 When used in composite intermediate bulk packagings, its also include other polymeric materials such as rubber.

3.6 Provide additional protection against impact, the protection in the form of a multi-layer or double-walled structure or outer frame with metal mesh, etc. (for Metal intermediate bulk containers).

3.7 It refers to the shipment and unloading equipment, including decompression, ventilation, safety, heating and heat insulating devices and measuring instruments.

3.8 Strengthening the box, fixed, handling, protective or stabilizing members, including the content of the composite with a plastic box in shape, fibreboard and wooden IBCs The basic pallet container (for other than a flexible intermediate bulk containers IBC).

3.9 By a strip or a suitable plastic material monofilament material (for flexible intermediate bulk containers).

3.10 The lowest temperature of a substance on their own to accelerate the reaction occurs within the package for transport.

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.