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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

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GB 19453-2009

Replacing GB 19453.2-2004

Safety code for inspection of packaging of dangerous goods for calcium carbide

危险货物电石包装检验安全规范

Issued on: June 21, 2009 **Implemented on: May 1, 2010**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China;
Standardization Administration of China

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Foreword

The standard Chapter 4, Chapter 5 are mandatory, the rest are recommended. This standard replaces GB 19453.1-2004 "dangerous goods for calcium carbide Safety code for inspection of packaging performance test", GB 19453.2-2004 "Dangerous Goods Safety code for inspection of packaging calcium carbide - Use appraisal." The standards and criteria of the two main changes are as follows:

--- 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) and the International Maritime

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Organization (IMO)" International Maritime Dangerous Goods Code "(2006 edition) End Wide coherence;

--- On a standard text format according to GB/T 1.1-2000 made editorial changes. Appendix A of this standard is an informative annex. 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, Zhang Yong, Zhao Qing, Hu new features. This standard replaces the standards previously issued as follows:

--- GB 19453.1-2004;

--- GB 19453.2-2004. Calcium carbide inspection of packaging of dangerous goods safety norms

1 Scope

GB 19453-2009 is the Chinese national standard on safety code for inspection of packaging of dangerous goods for calcium carbide. 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 , 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 use of performance testing and identification of dangerous goods packaging drums of calcium carbide. This standard applies to testing and identification of dangerous goods packaging drums of calcium carbide. Calcium carbide other dangerous goods packaging performance test may also be referring to use.

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 325-2000 packaging container drums

GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL)

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retrieval batch inspection sampling plan

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

GB/T 4857.5-1992 Packaging transport package drop test methods

GB/T 13040 metal container packaging terminology

GB/T 17344 Test Method for airtight packaging containers

GB 19433 inspection of packaging of dangerous goods by air safety norms

3 Terms and Definitions

GB/T 325, the terms and definitions GB/T 13040 and GB 19433 established apply to this standard.

4.1 Requirements

4.1.1 dangerous goods packaging commonly used calcium carbide steel drums.

4.1.2 dangerous goods for calcium carbide drums packaging should meet the following requirements.

4.1.2.1 barrel body and the lid should be based on the capacity and use of drums, use appropriate type and of adequate thickness steel plate.

4.1.2.2 Body seams shall be welded barrel.

4.1.2.3 Application of the barrel flange mechanically seamed or welded. You can also use a separate reinforcing ring.

4.1.2.4 capacity of more than 60L steel drums barrels are typically should have at least two expanded rolling hoops, or at least two separate rolling hoops. Such as Use separate rolling hoops should be fixed in the barrel body tight, can not be displaced. Rolling hoops should not be spot-welded.

4.1.2.5 barrel body opening and closing means of the lid design and installation should be done under normal conditions of transport and to keep the contents securely without leakage leak. Closure flanges mechanical means or by welding properly engaged. Unless the closure is inherently leakproof, otherwise the seal should be used Mats or other seals.

4.1.2.6 If the barrels are used, heads, closures and fittings and other materials themselves and shipping materials are incompatible, shall impose appropriate Internal protective coatings or treatments. Under normal conditions of transport, these coatings or treatments shall retain their protective properties.

4.1.3 carbide steel drum packaging inks and coatings should be strong adhesion, good

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weather resistance, the film adhesion should meet GB/T 325-2000 attached Record A.

2 Tier 2 regulations.

4.1.4 carbide steel drum packaging performance test requirements in Table 1. Table

1 Performance test project requirements Stacking test sample is not broken, do not collapse, no leakage Drop Test The sample drop, when the internal and external pressure balanced impermeable, having an inner coating (plating) layer of the container, which is coated (plated) layer You must not have cracks, peeling Airtightness test samples without leakage

4.2 Test

4.2.1 Test Project Pilot projects in Table 1.

4.2.2 Number of samples

4.2.2.1 The number of samples of different test items in Table 2. Table 2 pilot projects and the number of sampling units member Pilot project the number of samples Stacking test

4.2.4 Drop Test

4.2.4.1 Test Equipment In line with GB/T 4857.5-1992 requirements of Chapter 2 in the test equipment.

4.2.4.2 Test Method Drop in test methods according to GB 19433 requirements.

4.2.4.3 drop height is 1.2m.

4.2.5 Airtight test

4.2.5.1 Test equipment and methods According to GB/T 17344 requirements of.

4.2.5.2 test pressure 20kPa.

4.2.6 Stacking test

4.2.6.1 Test Equipment According to GB/T 4857.3 requirements.

4.2.6.2 Test Method Packaging container stacking time of 24h. Other test methods according to GB/T 4857.3 requirements.

4.2.6.3 Stacking load Where. P

--- load of load in kilograms (kg); K

--- deterioration coefficient, K is 1; H

--- stacking height (less than 3m);

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