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

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Labelling of chemicals based on GHS

基于GHS的化学品标签规范

(English Translation)

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6 This standard does not include the use of information or additional information

Foreword

This standard is identical with JIS Z7251.:2006 "GHS-based chemical labeling" (Japanese version).

For your convenience, the following editorial changes were made.

- a) delete the original standard title and foreword;
- b) delete the original standard preamble;
- c) Use the punctuation "," instead of the symbol in the original standard "-";
- d) punctuation "," instead of the original standard "," said the comma.

Appendix A of this standard is normative appendix.

This standard by the National Standardization Technical Committee of hazardous chemicals management (SAC/TC251) and focal point.

Participated in the drafting of this standard. Sinochem Chemical Standardization Institute, Exit Inspection and Quarantine of Anhui Province, Shanghai Institute of Chemical Industry.

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GHS-based chemical labeling specification

1 Scope

This standard specifies the label elements (symbols, warnings, hazard statements, etc.) based on the type and level of GHS hazard of the chemical substance.

This standard applies to GHS-based chemical labeling regulations.

2 Normative references

The terms of the following documents, through the reference to the standard become the terms of this standard. All dated references, which are subsequently owned Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach an agreement based on this standard research Whether you can use the latest versions of these files. For undated references, the latest version applies to this standard.

JIS Z7250 Safety Data Sheet for Chemical Substances Part 1. Contents and Order of Items

3 Terms and definitions

The following terms and definitions apply to this standard.

Potential causes of harm.

Chemical elements and their compounds that exist naturally or by synthesis or the like.

A mixture of two or more chemicals (including solutions).

Chemical substance or mixture.

Note: "chemical substances" can be understood as "chemicals" or "products" synonymous.

Constitute a chemical substances and other elements.

With physical means is not easy to separate, by more than two elements together, looks like a homogeneous metal body.

Note: Alloys are considered as a mixture in the GHS classification.

International coordination organization on the classification of chemicals and their labeling.

After adjusting for the physical and chemical hazards of GHS-based chemicals and their mixtures, health hazards, and environmental hazards the classification of judgment criteria.

Divided into such as flammable solid physical and chemical hazards, carcinogenic substances, such as oral toxicity of health and harmful, as well as aquatic ring Harmful environmental harmfulness.

3.10

Classification based on judgment criteria within various hazard categories. For example. oral acute toxicity is divided into five levels, flammable liquid is divided into four A dangerous level. These grading is within the hazard category and is based on the degree of harm to be relatively divided, should not be regarded as general Harm classification comparison.

3.11

The label is a summary of the main information on the written, printed or graphic composition of the hazardous product, within the relevant department of choice to put directly on the hazardous substances in the container or on the packaging, paste, print or add something.

3.12

The label provides users with internationally accepted information. For example. symbols, warnings, hazardous instructions and precautions.

3.13

Image elements created to convey information concisely and clearly. For example. flame, skull and so on.

3.14

It consists of symbols, border lines, background patterns and colors that convey specific information.

3.15

For hazardous chemicals and mixtures, state the ingredients, product name, supplier, hazardous and safety precautions, in case of accidents Coping measures and other content of the text material.

Note: The Material Safety Data Sheet (MSDS) is called the SafetyDataSheet (SDS) in the GHS.

3.16

Accredited by the International Economic Cooperation Council, the UN Convention on the Transport of Dangerous Goods, annex "on the transport of dangerous goods regulations the "title, the official publication of text material.

4 General Matters

A label on the record of a chemical substances and other information.

Note: If the object is a mixture, not a label for each component, you can make a label on the mixture.

5 The order in which the necessary information and content on the label appear

5.1 The necessary information on the label the necessary information on the label is as follows.

- a) a pictogram that indicates a hazard;
- b) warnings
- c) Hazard statements;

- d) Precautions;
- e) product name
- f) Manufacturer/supplier.

5.2 Labeling the order of representation

According to the GHS classification results relative to a hazard category and grade, the use of the corresponding pictograms, warnings, harmful to say Make labels. A variety of correspondence as Appendix A shows.

- a) A pictogram that represents a hazard the standard pictograms used in the GHS are shown in Tables 1 to 3 below. Pictograms on labels can not be used with standard icons in GHS Chart significantly different.

Table 1

Name (symbol) The flame bomb on the flame circle explodes Pictograms Use this graphical table Hazard category shown Flammable gas, flammable Flammable gas under pressure Flammable liquids Flammable solid Self-reactive chemicals Spontaneous liquid and solid Self-heating chemicals Release water with flammable gas chemicals Organic peroxides Flammability, oxidizing gases, oxidation Liquid, solid Gunpowder category Self-reactive chemicals Organic peroxides

Table 2

Name (symbol) corrosive gas tank skull Pictograms Use this graphical table Hazard category shown Metal corrosion Skin corrosion/irritation Serious eye damage, irritation Acute toxicity/toxicity under pressure

Table 3

Name (Symbol) Exclamation Point Environmental Health Hazard Pictograms Use this graphical table Hazard category shown Acute toxicity/toxicity Skin corrosive, irritating Serious eye damage/eye irritation Causes skin irritation on the target organ, systemic toxicity Harmful to aquatic environment Causes respiratory sensitization Cause germ cell mutation Carcinogenicity Reproductive toxicity on the target organ, systemic toxicity Harmful to inhalational respiratory organs the pictograms used in the labels are. a black symbol on a rhombus (square) white background and a bold red line on the white background frame. Non-export packaging, the label can also use the black line border.

An example of a pictogram is shown in Figure 1.

Figure 1 Skin irritant pictograms

- b) Warnings

The so-called warning is the relative degree that indicates the severity of the hazard,