



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

GB 30000.8-2013

Replacing GB 20582-2006

**Rules for classification and labelling of chemicals - Part 8:
Flammable solids**

化学品分类和标签规范 第8部分：易燃固体

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Foreword

Chapter 4 and Chapter 6 of this Part are mandatory. The rest are recommended. The expected structure of "Rules for classification and labelling of chemicals" and the national standards to be replaced are as follows: - Part

1 Scope

GB 30000.8-2013 is the Chinese national standard on rules for classification and labelling of chemicals - part 8: flammable solids. 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 10 October 2013 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 November 2014. 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 Part of GB 30000 specifies the terms and definitions, classification criteria, decision logic and guidance, and labels of flammable solids. This Part is applicable to the classification and labelling of flammable solids according to the United Nations "Globally Harmonized System of Classification and Labelling of Chemicals" (Hereafter referred to as GHS).

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated editions apply to this document. For undated references, the latest editions (including all corrections) of the referenced documents apply to this document.

GB 6944-2012 Classification and code of dangerous goods

GB 13690 General rules for classification and hazard communication of chemicals

GB 30000.4 Rules for classification and labelling of chemicals - Part 4. Aerosols United Nations "Globally Harmonized System of Classification and Labelling of Chemicals" (Fourth revised edition) United Nations "Recommendations on the transport of dangerous goods - Manual of tests and criteria" (Fifth revised edition)

3 Terms and definitions

Those defined in GB 13690 AND the following terms and definitions apply to this document.

3.1 Flammable solids A flammable solid is a solid which is readily combustible, or may cause or contribute to fire through friction.

4 Classification criteria

4.1 General rules of classification and labels of flammable solids are shown in GB 13690.

4.2 Powdered, granular or pasty substances or mixtures shall be classified as readily combustible solids when the time of burning of one or more of the test runs, performed in accordance with the test method described in the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, Part III, sub-section 33.2.1, is less than

45 s or the rate of burning is more than

4.4 Solids which may cause fire through friction shall be classified in this class by analogy with existing entries (e.g. matches) until definitive criteria are established.

4.5 A flammable solid is classified in one of the two categories for this class using Method N.1 as described in Part III, sub-section

33.2.1 of the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria (Fifth revised edition) (hereafter referred as Manual of Tests and Criteria), according to Table 1.

5 Decision logic and guidance

Decision logic and guidance are only for reference. Decision logic and guidance refer to Annex A.

6.1 Introduction

6.1.1 For the label of flammable solids, the assigned pictogram, signal word and hazard statement are given in sequence for each hazard category of the hazard class.

6.1.2 Classification criteria and label elements of flammable solids are shown in Annex C.

6.1.3 Required information on the label includes hazard pictograms, signal words, hazard statements, precautionary statements, product identifiers, and supplier logo, etc.

6.2 Hazard pictograms Hazard pictograms shall use a black symbol on a white background, with a red frame sufficiently wide to be clearly visible. The hazard pictograms, graphic symbol color, numbers, and the minimum size specified by "Model Regulations" are shown in Annex B.

6.3 Signal words Signal words refer to the phrases that are used to indicate the relative severity of the hazard and alert the reader to the potential dangers. For flammable solids, USE the signal word "Danger".

6.4 Hazard statements Hazard statements refer to the phrases that are assigned to a hazard class and category.

6.6 Product Identifier

6.6.1 The label shall include product identifier. And it shall be consistent with the product identifier in the Material Safety Data Sheet. If a substance or mixture is included in the "Model Regulations", the United Nations shipping name shall also be used properly on the packaging.

6.6.2 The label shall include the chemical name of the substance.

6.7 Supplier Identification The label shall include the manufacturer who provides the substance or mixture, or the supplier's name, address, and telephone number.

12 Self-heating substances and mixtures (replacing GB 20584-2006); - Part

13.Substances and mixtures which, in contact with water, emit flammable gases (replacing GB 20587-2006); - Part

20 Serious eye damage/eye irritation (replacing GB 20594 a 2006); - Part

21.Respiratory or skin sensitization (replacing GB 20595-2006); - Part

22.Germ cell mutagenicity (replacing GB 20596-2006); - Part

23.Carcinogenicity (replacing GB 20597-2006); - Part

24.Reproductive toxicity (replacing GB 20598-2006); - Part

25.Specific target organ toxicity. Single exposure (replacing GB 20599-2006); - Part

26.Specific target organ toxicity. Repeated exposure (replacing GB 20601-2006); - Part

27.Aspiration hazard; - Part

28.Hazardous to the aquatic environment (replacing GB 20602-2006); - Part

29.Hazardous to the ozone layer; - Part

30.Work safety warning signs. This Part is Part 8 of GB 30000. This Part was drafted in accordance with the rules given in GB/T 1.1-2009. This Part shall replace GB 20582-2006 "Safety rules for classification, precautionary labelling and precautionary statements of chemicals - Flammable solids ". This Part is consistent with the relevant technical content of the United Nations "Globally Harmonized System of Classification and Labelling of Chemicals, GHS" (Fourth revised edition). Compared with GB 20582-2006, the major technical changes are as follows: - MODIFY the standard name. Chinese name is changed to "Rules for classification and labelling of chemicals. Part

8.Flammable solids ". English name is changed to "Rules for classification and labelling of chemicals. Part

8.Flammable solids "; - MODIFY the content of Chapter 1 "Scope". The "warning label" is changed to "label". DELETE "precautionary statements"; - MODIFY the introductory phrase in Chapter 2 "Normative references". And ADD "United Nation, Globally Harmonized System of Classification and Labelling of Chemicals, GHS (Fourth revised edition)" as a reference document; - ADD introductory phrase in Chapter 3 "Terms and definitions". - The