



GB 30000.7-202X

***Rules for classification and labelling of
chemicals - Part 7: Flammable liquids
(Draft for comments)***

Standardization Administration of China
State Administration for Market Regulation

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Rules for classification and labelling of chemicals – Part 7: Flammable liquids (Draft for comments)

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Foreword

This document is drafted in accordance with the provisions of GB/T 1.1-2020 Directives for standardization—Part 1: Rules for the structure and drafting of standardizing documents.

This document is Part 7 of GB 30000 Specification for Classification and Labelling of Chemicals.

The following parts of GB 30000 have been published:

- Part 1: General rules;
- Part 2: Explosives;
- Part 3: Flammable gases;
- Part 4: Aerosols;
- Part 5: Oxidizing gases;
- Part 6: Gases under pressure;
- Part 7: Flammable liquids;
- Part 8: Flammable solids;
- Part 9: Self-reactive substances and mixtures;
- Part 10: Pyrophoric liquids;
- Part 11: Pyrophoric solids;
- Part 12: Self-heating substances and mixtures;
- Part 13: Substances and mixtures which, in contact with water, emit flammable gases;
- Part 14: Oxidizing liquids;
- Part 15: Oxidizing solids;
- Part 16: Organic peroxides;
- Part 17: Corrosive to metals;
- Part 18: Acute toxicity;
- Part 19: Skin corrosion/irritation;
- Part 20: Serious eye damage/eye irritation;
- Part 21: Respiratory or skin sensitization;
- Part 22: Germ cell mutagenicity;

- Part 23: Carcinogenicity;
- Part 24: Reproductive toxicity;
- Part 25: Specific target organ toxicity - single exposure;
- Part 26: Specific target organ toxicity - repeated exposure;
- Part 27: Aspiration hazard;
- Part 28: Hazardous to the aquatic environment;
- Part 29: Hazardous to the ozone layer;
- Part 30: Desensitized explosives;
- Part 31: Precautionary label for workplace of chemicals.

This document aligns with the related technical content of the *United Nations Globally Harmonized System of Classification and Labelling of Chemicals* (GHS Rev.11).

This document replaces *GB 30000.7-2013 Rules for classification and labelling of chemicals - Part 7: Flammable liquids*.

Compared with GB 30000.7-2013, the main technical changes are as follows:

- The provisions are modified to be mandatory in whole;
- Deleted the normative reference “GB 6944-2012” and updated the normative references;
- Modified the introductory text in Chapter 3 “Terms and definitions”, changing “GB 13690” to “GB 30000.1”;
- Modified Note 4 of Table 1 “Classification of flammable liquids”, changing “aerosols are not classified as flammable liquids” to “aerosols and chemicals under pressure are not classified as flammable liquids”;
- Modified the introductory text of Chapter 5 “Decision logic and guidance”;
- Modified the content of “6.5 Precautionary statement” in Chapter 6 to align the expression with the relevant content of GHS (Rev. 11);
- Modified the content of “6.6 Product identifier” and “6.7 Supplier identification” in Chapter 6 to align the expression with the GB 30000 series standards;
- Modified the flame graphic symbol in the informative Appendix A “A.1 Decision logic”;
- Changed “calculated by the methods listed in A.2.4” to “calculated by the methods listed in A.2.3” in the informative Appendix A “A.2 Guidance”;
- Added content on using open-cup flash point for result determination in the informative Appendix A “A.2 Guidance”;

- Updated the relevant standards for flash point determination methods of flammable liquids in the informative Appendix A “A.2 Guidance”;
- Updated the relevant standards for initial boiling point determination methods of flammable liquids in the informative Appendix A “A.2 Guidance”;
- Updated the allocation of label elements for flammable liquids in the normative Appendix B;
- Modified the flame graphic symbol in the normative Appendix C;
- Changed “GB 13690” to “GB 30000.1”, “the codes for hazard statements see GHS Annex 3” to “the codes for hazard statements shall comply with Table D.1 and Table D.2”, and “the codes for precautionary statements see GHS Annex 3” to “the codes for precautionary statements shall comply with Table D.1 and Table D.2” in the normative Appendix D;
- Modified the hazard statements in “D.1.2.2” and precautionary statements in “D.1.3.2.1” of the normative Appendix D to align with the relevant content of GHS (Rev. 11);
- Modified the flame graphic symbol in “D.3” of the normative Appendix D;
- Modified the statements for “Prevention”, “Emergency response”, “Storage”, “Disposal”, and “General precautionary statements” in “D.3” of the normative Appendix D to align with the relevant content of GHS (Rev. 11);
- Modified the flame graphic symbol in the label examples of the normative Appendix E;
- Modified the precautionary statements in the label examples of the normative Appendix E to align with the relevant content of GHS (Rev. 11).

Please be aware that some content in this document may involve patents. The issuing organization of this document does not take responsibility for identifying patents.

This document is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This document is overseen by the National Technical Committee 251 on Dangerous Chemicals Management of Standardization Administration of China (SAC/TC 251).

The previous versions of this document and the documents it replaces are as follows:

- First issued in 2006 as GB 20581-2006;
- First revised in 2013 as GB 30000.7-2013;
- This is the second revision.

Rules for classification and labelling of chemicals –

Part 7: Flammable liquids

1 Scope

This document specifies the classification criteria, decision logic and guidance, and labelling of flammable liquids.

This document is applicable to the classification and labelling of flammable liquids in accordance with the *United Nations Globally Harmonized System of Classification and Labeling of Chemicals* (Rev. 11) (hereinafter referred to as GHS).

2 Normative references

The following documents, through normative references in the text, constitute indispensable provisions of this document. For dated references, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this part.

GB 15258 General rules for preparation of precautionary label for chemicals

GB 30000.1 Specification for classification and labelling of chemicals – Part 1: General rules

UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (Rev. 11)

UN Manual of Tests and Criteria (Rev. 8)

UN Recommendations on the Transport of Dangerous Goods - Model Regulations (Rev. 24)

3 Terms and definitions

The terms and definitions outlined in GB 30000.1 apply to this document.

4 Classification criteria

4.1 The general principles for the classification and labelling of flammable liquids are given in GB 30000.1.

4.2 Flammable liquids are classified into four categories, according to Table 1.



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