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

GB 13690-2009

Replacing GB 13690-1992

**General rule for classification and hazard communication of
chemicals**

(English Translation)

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Foreword

The standard Chapter 4, Chapter 5 are mandatory, the rest are recommended.

This corresponds to the standard of the United Nations "Classification and Labeling of Chemicals Globally Harmonized System" (GHS) Second revised edition (ST/SG/AC.10/30 /Rev. 2), with its non-equivalent, its technical content consistent with the GHS, in a standard text format according to GB/T 1.1-Do a 2000 editorial changes.

This standard replaces GB 13690-1992 "commonly used classification of dangerous chemicals and signs." this standard compared with GB 13690-1992 main changes are as follows.

- Standard name changed to "chemical classification and hazard communication of Law";
- The standard in accordance with the requirements of the GHS hazard chemicals are classified;
- The standard in accordance with GHS requirements for chemical hazard communication has been stipulated.

The Standard Appendix A, Appendix B, Appendix C, Appendix D is an informative annex.

This standard is managed by the National Standardization Technical Committee chemicals dangerous (SAC/TC251) and focal points.

Participated in the drafting of this standard. the Chemical Institute of Standardization, Shandong CIQ, Shanghai Chemical Research Institute, Jiangsu access Habitat Inspection and Quarantine Bureau, Hubei Exit Inspection and Quarantine.

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This standard replaces the standards previously issued as follows.

--- GB 13690-1992.

Chemical classification and hazard communication General

1 Scope

This standard specifies the classification of chemicals related to GHS and hazard communication.

This standard applies to chemical classification and hazard communication. This standard applies to chemical production sites and consumer logo.

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 16483 MSDS Content and Order GB 20576 chemical classification, precautionary labeling and precautionary statements Explosives Safety rules GB 20577 chemical classification, precautionary labeling and precautionary statements of specification flammable gases GB 20578 chemical classification, precautionary labeling and precautionary statements of norms Flammable GB 20579 chemical classification, precautionary labeling and precautionary statements of normative oxidizing gas GB 20580 chemical classification, precautionary labeling and precautionary statements under pressure gas safety regulations GB 20581 chemical classification, precautionary labeling and precautionary statements of specification flammable liquids GB 20582 chemical classification, precautionary labeling and precautionary statements Flammable solid Specification GB 20583 chemical classification, precautionary labeling and precautionary statements of self-reactive substances Specification GB 20584 chemical classification, precautionary labeling and precautionary statements of self-heating substance specification GB 20585 chemical classification, precautionary labeling and precautionary statements of spontaneous combustion of liquid Specification GB 20586 chemical classification, precautionary labeling and precautionary statements of spontaneous combustion of solid Specification GB 20587 chemical classification, precautionary labeling and precautionary statements of specification contact with water emit flammable gases GB 20588 Chemicals classification, precautionary labeling and precautionary statements of specification metal corrosion GB 20589 chemical classification, precautionary labeling and precautionary statements of normative oxidizing liquid GB 20590 chemical classification, precautionary labeling and precautionary statements of normative oxidizing solid GB 20591 chemical classification, precautionary labeling and precautionary statements of norms organic

peroxides GB 20592 Chemicals classification, precautionary labeling and precautionary statements of norms acute toxicity GB 20593 chemical classification, precautionary labeling and precautionary statements of norms skin corrosion/irritation GB 20594 chemical classification, precautionary labeling and precautionary statements of norms serious eye damage/eye irritation GB 20595 chemical classification, precautionary labeling and precautionary statements of norms Respiratory or skin sensitization GB 20596 chemical classification, precautionary labeling and precautionary statements of norms Germ cell mutagenicity GB 20597 chemical classification, precautionary labeling and precautionary statements of normative carcinogenicity GB 20598 chemical classification, precautionary labeling and precautionary statements of reproductive toxicity Specification GB 20599 chemical classification, precautionary labeling and precautionary statements Specific target organ toxicity - single exposure GB 20601 chemical classification, precautionary labeling and precautionary statements Specific target organ toxicity - Repeated exposure GB 20602 chemical classification, precautionary labeling and precautionary statements of norms on water environment hazards GB/T 22272 ~ GB/T 22278 Good Laboratory Practice (GLP) standards series ISO 11683:1997 packaging requirements Tactile danger warning IPCS/EHC No. 225 document "Assessment of the principle of reproductive health risks caused by exposure to chemicals used"

3 Terms and Definitions

GHS conversion of the national standards (GB 20576 ~ GB 20599, GB 20601, GB 20602) and the following terms and definitions apply to this standard.

One description to uniquely identify chemicals. The name may be in line with the International Union of Pure and Applied Chemistry (IUPAC) or chemical Title Abstracts Service (CAS) naming system, it may be a technical name.

When packaged under pressure is entirely at -50 °C when a gas gaseous; including critical temperature ≤ -50 °C for all gases.

Administered under certain specified test conditions ignition source causing ignition of liquid vaporization lowest temperature (corrected to standard atmospheric pressure 101.3kPa).

Each hazard class standard division, such as oral acute toxicity includes five hazard categories and flammable liquids includes four hazard categories.

These hazard categories within a hazard more dangerous kind of severity, should not treat them as more general hazard category comparison.

Hazard class means the physical, health or environmental hazard properties, such as flammable solids, carcinogenicity, acute oral toxicity.

A description of the hazard class or category, they illustrate the dangers of a dangerous nature of the product, in the case for a statement in which dangerous degree.

One kind is equal to the vapor pressure of the liquid standard pressure (101.3kPa), the temperature of the first bubble appears.

About a dangerous product of an appropriate set of written, printed or graphic information elements, because the target is selected and relevant departments, they Attached to or printed on the immediate container of a dangerous product or its external packaging.

One class of unified information on the label, such as pictograms, signal words.

3.10

Recognized by the United Nations Economic and Trade Council, the United Nations Recommendations on the Transport of Dangerous Goods Regulations Annex "on the transport of dangerous goods Template "in the title, the official publication of the written word.

3.11

A graphical structure, which may include a symbol plus other graphic elements, such as borders, background pattern or color that is intended to convey specific Information.

3.12

A phrase/and (or) pictograms, the measures recommended to minimize or prevent exposure to a hazardous substance or Arising from the adverse effects of improper storage or handling of produce.

3.13

Label or safety data sheets for hazardous product name or number. It provides a unique means for users to make products in special Given the use of the background to identify the substance or mixture under, for example, transport, consumption or in the workplace.

3.14

On the label used to indicate the relative severity of the hazard and alert the reader to a potential hazard. GHS using the "dangerous" and "police Advertisement "as a signal word.

3.15

Graphic element intended to succinctly convey information.

Category 4

4.1.1 Explosives

Explosives classification, precautionary labeling and precautionary statements, see GB 20576.