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

GB/T 6675.13-2025

Replacing GB 6675.13-2014

**Safety of toys - Part 13: Chemical toys (sets) other than
experimental sets**

玩具安全 第13部分: 除实验玩具外的化学套装玩具

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

The various parts of GB (GB/T) 6675 "Toy Safety" and GB/T 19865 "Safety of Electric Toys" together constitute the supporting toy safety standards.

system.

This document is Part 13 of GB (GB/T) 6675 "Toy Safety". GB (GB/T) 6675 has already published the following parts.

---Part 1: Basic Specifications;

- Part 2: Mechanical and Physical Properties;
- Part 3: Flammability;
- Part 4: Migration of Specific Elements;
- Part 9: Experimental toys for chemical and similar activities;
- Part 10: Smell Board Toys, Makeup Kit Toys, and Taste Toys;
- Part 11: Household swings, slides and similar indoor and outdoor play toys;
- Part 13: Chemical Toy Sets (excluding laboratory toys);
- Part 14: Requirements and testing methods for finger paints.

This document supersedes GB 6675.13-2014 "Toy Safety Part 13: Chemical Toy Sets (excluding laboratory toys)" and is consistent with...

Compared with GB 6675.13-2014, apart from structural adjustments and editorial changes, the main technical changes are as follows.

- The scope has been changed (see Chapter 1, Chapter 1 of the 2014 edition);
- Added the terms and definitions for "chemical toys" and "experimental toys" (see 3.1 and 3.2), and removed "supplied in small workshop sets".

Terms and definitions for "ceramic and vitreous glazing materials," "photographic developing kits," and "companies" (see 3.2, 3.6, and 3.8 of the 2014 edition);

- The requirement for "ceramic and vitreous glazing pigments provided in the small workshop kit" has been removed (see Chapter 5 of the 2014 edition);
- Added requirements related to "calcined plaster (plaster) molding kits" (see 4.2);
- Added requirements related to "Oven-cured malleable PVC model clay kits" (see 5.3 and 5.4), and changed the applicable plasticizers (see...).

Table 1 (Table 2 in the 2014 edition);

- Added requirements related to "plastic mold kits" (see 6.1.3);
- Added requirements related to "embedding kits" (see 6.2.4);
- The requirement for "photographic developing kits" has been removed (see Chapter 8 in the 2014 edition);
- Added requirements related to "adhesives, paints, varnishes,, thinners, and cleaning agents (solvents) provided or recommended in the model kit" (See 7.2.1.2.4, 7.2.1.3.4, 7.2.2.1, 7.2.2.4, 7.2.2.7, 7.3.4, 7.4.1, and 7.4.4), the relevant requirements have been removed (see...).

The 2014 version (9.2.1.2.1) revised the relevant requirements (see Tables 4, 7, 7.2.2.1, 8,

11, 7.3.1, 7.3.3, 7.4.1, and...).

7.4.2, Tables 5, 8, 9.2.2.1, 9, 12, 9.3.1, 9.3.3, 9.4.1 and 9.4.2 of the 2014 edition);

---The test method for "Measurement of Elements in Ceramic and Vitreous Glazed Materials" has been removed (see section 12.2 of the 2014 edition);

---The test method for "Identification and Measurement of Substances in Photographic Developing Kits" has been removed (see 12.6 in the 2014 edition);

---The description of "critical control points" has been changed (see 10.3.10, 12.4.10 in the 2014 version).

This document is modified to adopt ISO 8124-11:2019 "Toy safety - Part 11: Chemical kits other than laboratory toys".

The technical differences between this document and ISO 8124-11:2019, and the reasons therefor, are as follows.

---ISO 3104, a normative reference, has been removed, and GB/T 265 (see 7.2.2.4 and 7.4.1) has been added to align with Chinese technical documents.

Increase operability;

---ISO 3696 has been replaced by the normatively referenced GB/T 6682 (see 7.2.1.1, 7.2.1.2.1, 7.2.1.3.1, 7.2.2.4, 10.1).

To adapt to my country's technical documents and increase operability;

---ISO 3219 has been replaced with the normatively referenced GB/T 21059 (see 7.2.2.4, 7.4.1) to adapt to Chinese technical documentation, and has been updated accordingly.

Increase operability;

---ISO 22854 (see 10.5.2) has been replaced with the normatively referenced GB/T 28768 to accommodate Chinese technical documentation, and additional provisions have been made.

Operability;

--- Replace the GHS Globally Harmonized System of Classification and Labelling of Chemicals (see Chapter 1) with the normatively referenced GB 30000 to adapt to...

Our country's technical documents should be made more operable;

---The "EINECS number" has been deleted from Tables 3-11 and Tables 13-15, as this type of number is not commonly used in my country;

---The requirements for preservatives in "food" and "cosmetics" have been revised (see 6.2.1, 7.2.1.1, and 7.3.1) to align with Chinese laws, regulations, and standards;

---The requirements for "food contact materials" have been revised (see 7.2.1.1, 7.2.1.2.1, 7.2.1.3.1, 7.2.2.1, 7.2.2.4, and 7.4.1) to adapt to my country's national conditions.

Laws, regulations and standards;

---The font requirements for the "Warning" text and its content have been changed (see 8.2.3) to conform to Chinese standards;

---Formula (5) has been deleted; it was redundant.

---Formula (6) has been modified; the original formula contained an error (see 10.4.8).

---Formula (7) has been modified; the original formula contained an error (see 10.5.5.1).

---The process for preparing the calibration solution has been added, which was not given in the original text (see 10.5.5.4.1).

The following editorial changes have been made to this document.

---To align with existing standards, the standard name has been changed to "Toy Safety Part 13: Chemical Toy Sets (excluding laboratory toys)";

---Added a note for version 10.3.3.3.6;

---Note 1 in section 6.2.1, note 7.2.1.1, and note 16 in Table 16 have been deleted;

---The names of commercialized products in Chapter 10 have been removed.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China National Light Industry Council.

This document is under the jurisdiction of the National Toy Standardization Technical Committee (SAC/TC253).

Introduction

The various parts of GB (GB/T) 6675 "Toy Safety" and GB/T 19865 "Safety of Electric Toys" together constitute the toy safety standard system.

Toys that comply with these document requirements will reduce the proportion of toys used in the intended manner (normal use) and used in unintended manner (foreseeable future use).

The potential dangers caused by the abuse of [the substance].

GB (GB/T) 6675 "Toy Safety" is divided into basic specifications, general requirements, and specific requirements, and is proposed to consist of the following parts.

---Part 1: Basic Standards. The purpose is to standardize the basic safety requirements for