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**Guidelines for the Use and Control of Key Chemical
Substances in Consumer Product**

消费品中重点化学物质使用控制指南

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Foreword

This Standard was drafted in accordance with the rules in GB/T 1.1-2009.

This Standard was proposed by and shall be under the jurisdiction of National Technical Committee 508 on Consumer Product Safety of Standardization Administration of China (SAC/TC 508).

The drafting organizations of this Standard: China National Institute of Standardization; National Supervision and Testing Center of Fine Chemicals; National Quality Supervision and Inspection Center for Burnable Incense Products (Fujian); Nan'an Machinery Standardization Research Institute Co., Ltd.; Guangdong Institute of Standardization; Hubei Standardization and Quality Institution; Chinese Academy of Inspection and Quarantine; Beijing University of Technology; CAIQ Health (Tianjin) Inspection and Testing Co., Ltd.; Tsinghua University; Hangzhou Hangzhou REACH24H Co., Ltd.; Zhuoshang Apparel (Hangzhou) Co., Ltd.; Changsha Haoming Cultural and Educational Supplies Co., Ltd.; Zhejiang Wangbin Decoration Material Co., Ltd.; National Institute of Metrology, China; Hunan Testing Institute of Product and Commodity Supervision; Shandong Institute for Product Quality Inspection; Guangzhou Quality Supervision and Testing Institute; Ningbo Yiren Toys Co., Ltd.; Guangzhou Fiber Product Testing and Research Institute; Ningbo Academy of Product Quality Supervision & Inspection.

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Guidelines for the Use and Control of Key Chemical Substances in Consumer Product

1 Scope

This Standard provides general principles and suggestions for the use and control of key chemical substances in consumer products.

This Standard is applicable to the use and control of key chemical substances in consumer products.

2 Terms and Definitions

The following terms and definitions are applicable to this document.

2.1 Consumer Product

Consumer product refers to product designed and produced for, but not limited to, personal use, including product components, parts, accessories, packaging and instructions for use.

[GB/T 35246-2017, Definition 3.1]

2.2 Release Amounts

Release amounts refers to the amount of a certain chemical substance released from a sample into a medium (for example, solvent, water or air), which is tested in accordance with the prescribed test method.

2.3 Migration

Migration refers to the amount of a certain chemical substance migrated into a medium (for example, solvent, water or air) after being immersed or extracted in accordance with the prescribed test method.

2.4 Content

Content refers to the ratio of the mass of a certain element or substance to the total mass of the sample.

2.5 Tolerable Risk

Tolerable risk refers to a risk that is acceptable within a certain range in accordance with the current social value orientation.

[GB/T 28803-2012, Definition 3.15]

2.6 Banned Substance

Banned substance refers to a chemical substance that cannot be added.

2.7 Restricted Substance

Restricted substance refers to a chemical substance that cannot exceed the limit requirements when present as an impurity or by-product.

3 General Principles

3.1 The content of key chemical substances in consumer products is closely related to the protection of consumers' personal health and safety, and ecological environment safety, and the satisfaction of social management, etc.

3.2 It is of great importance to control the safety risk level of key chemical substances in consumer products within the range of tolerable risks.

3.3 In terms of consumer products not covered by this Standard, the related chemical substances may be implemented with reference to similar products provided in this Standard.

4 Suggestions for Use and Control

The suggestions for the use and control of key chemical substances in consumer products are shown in Table 1. The standards for testing methods of key chemical substances are shown in Appendix A.

Table 1 -- Suggestions for Use and Control of Key Chemical Substances in Consumer Products

No.	Name	CAS No.	Suggestions of Control	Scope of Applicable Consumer Products
1	Lead	7439-92-1, etc.	Lead content < 0.05%	Any single part of jewelry product
			Lead content ≤ 90 mg/kg	a) All children's paint and similar surface coatings; b) Paint and similar surface coatings of some furniture used by adults and children; c) Household paint
			Lead content ≤ 1,000 mg/kg	Electronic and electrical products

Appendix A

(informative)

Standards for Testing Methods of Key Chemical Substances

The standards of testing methods that may be taken as a reference for key chemical substances are as follows:

GB/T 4615-2013 Poly (vinyl chloride) - Determination of Residual Vinyl Chloride Monomer Gas - Chromatographic Method

GB 6675.1-2014 Toy Safety - Part 1: Basic Code

GB 6675.4-2014 Safety of Toys - Part 4: Migration of Certain Elements

GB/T 7917.4-1987 Standard Methods of Hygienic Test for Cosmetics - Methanol

GB/T 9722-2006 Chemical Reagent - General Rules for the Gas Chromatography

GB/T 17657-2013 Test Methods of Evaluating the Properties of Wood-based Panels and Surface Decorated Wood-based Panels

GB 18581-2009 Indoor Decorating and Refurbishing Materials - Limit of Harmful Substances of Solvent Based Coatings for Woodenware

GB 18582-2008 Indoor Decorating and Refurbishing Materials - Limit of Harmful Substances of Interior Architectural Coatings

GB 18584-2001 Indoor Decorating and Refurbishing Materials - Limit of Harmful Substances of Wood Based Furniture

GB 18585-2001 Indoor Decorating and Refurbishing Materials - Limit of Harmful Substances of Wallpapers

GB 18587-2001 Indoor Decorating and Refurbishing Materials - Limitations of Harmful Substances Emitted from Carpets, Carpet Cushions and Adhesives

GB/T 19250-2013 Polyurethane Waterproofing Coating

GB 19342-2013 Toothbrushes

GB/T 19719-2005 Jewelry - Determination of the Release of Nickel - Method of Spectrometry

GB 21027-2007 Request in Common Use of Security for Students Articles

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