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

GB/T 39498-2020

**Guidelines for the use and control of key chemicals in
consumer products**

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 given in GB/T 1.1-2009 "Directives for standardization - Part 1: Structure and drafting of standards".

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

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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 apply to this document.

2.1 Consumer product

Product designed and produced for, but not limited to, personal use, including the components, parts, accessories, packaging and instructions for use of the product.

2.2 Release amount

The amount of a certain chemical substance released from a sample into a medium - for example a solvent, water or air - determined in accordance with the prescribed test method.

2.3 Migration

The amount of a certain chemical substance migrated into a medium - for example a solvent, water or air - after immersion or extraction carried out in accordance with the prescribed test method.

2.4 Content

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

2.5 Tolerable risk

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

2.6 Banned substance

A chemical substance that cannot be added.

2.7 Restricted substance

A chemical substance that cannot exceed the limit requirements when it is present as an impurity or a 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 to ecological environment safety.

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 risk.

3.3 For consumer products not covered by this standard, the related chemical substances may be dealt with by reference to the 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 given in Table 1.

Appendix A (informative) Standards for testing methods of key chemical substances

The following test method standards may be taken as a reference for the key chemical substances covered by this standard.

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 Toy safety - 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 21027-2007 Requirements in common use of security for students' articles

GB/T 22048-2015 Determination of certain phthalate esters in toys and children's products

GB/T 22807-2008 Leather and fur - Chemical tests - Determination of chromium (VI) content

GB/T 24153-2009 Rubber and elastomer materials - Determination of N-nitrosamines

GB 24410-2009 Indoor decorating and refurbishing materials - Limit of harmful substances of waterborne woodenware coatings

GB 25038-2010 Rubber shoes - Health and safety specification

GB/T 26125-2011 Electrical and electronic products - Determination of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)

GB/T 26713-2011 Footwear - Chemical tests - Determination of dimethyl fumarate (DMF)

GB/T 28020-2011 Adornment - Determination of baneful elements - X-ray fluorescence spectrometric method

GB/T 28021-2011 Adornment - Determination of baneful elements - Method of spectrometry

GB 28480-2012 Adornment - Provision for limit of baneful elements

GB 28481-2012 Limit of harmful substances of plastic furniture

GB 28482-2012 Safety requirements of soothers for babies and young children

GB 30585-2014 Safety technical specifications for children's footwear

GB/T 30795-2014 The test method of food detergents - Determination of methanol

GB/T 30797-2014 The test method of food detergents - Determination of total arsenic

SN/T 1545-2005 Method for the concurrent determination of benzene, toluene, xylene and diisocyanate in solvent coatings for import and export - Gas chromatography method