



GB/T 39498–2020

Guidance 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

Authorities: SAMR, SAC

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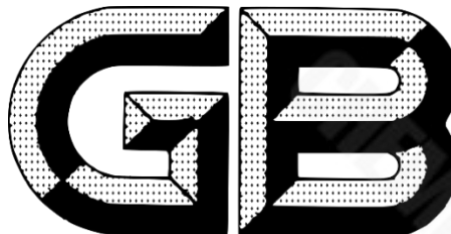
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National Standard of the People's Republic of China

GB/T 39498-2020

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State Administration for Market Regulation
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Foreword

This standard was drafted according to the rules given in GB/T 1.1-2009.

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

The drafting units of this standard are as follows: China National Institute of Standardization, National Quality Supervision and Testing Center of Fine Chemicals, National Quality Supervision and Testing Center of Burning Incense (Fujian), Nan'an Zhongji Standardization Institute Co., Ltd., Guangdong Institute of Standardization, Hubei Institute of Standardization and Quality, Chinese Academy of Inspection and Quarantine, Beijing University of Technology, CAST, Tsinghua University, Hangzhou REACH24H Technology Co., Ltd., Excellent Fashion (Hangzhou) Co., Ltd., Changsha Haoming Stationery Co., Ltd., Zhejiang Wangbin Decoration Materials Co., Ltd., China National Institute of Metrology, Hunan Testing Institute of Product and Commodity Supervision, Shandong Institute for Product Quality Inspection, Guangzhou Quality Supervision and Testing Institute, Ningbo Hape Toys Co., Ltd., Guangzhou Fibre Product Testing and Research Institute and Ningbo Testing Institute of Product Quality Supervision.

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Guidelines for the use and control of key chemical substances in consumer product

1. Scope

This standard specifies the general principles and use and control recommendations on key chemical substances in consumer products.

This standard applies 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

Products designed and manufactured for, but not limited to, personal use, including the components, parts, accessories, packaging and instructions for use.

[GB/T 35246-2017, Definition 3.1]

2.2 Release amounts

The amount of a certain chemical substance released from the sample into the medium such as solvent, water, or air, that is detected according to the specified test method.

2.3 Migration

The amount of a certain chemical substance, detected according to the specified test method after soaking or extraction, that migrate into the medium such as solvent, water or air.

2.4 Content

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

2.5 Tolerable Risk

The risk that is acceptable within the certain limit in the light of current social value orientation.

Table 1. Control recommendations on key chemical substances in consumer products

No	Name	CAS No	Control recommendations	Applicable consumer products
1	Lead	7439-92-1, etc.	Lead content < 0.05%	Any single part of a jewelry product
			Lead content ≤ 90 mg/kg	a) All kids' paints and similar surface coatings; b) Paints and similar surface coating of some furniture for adults and children; c) Household paints
			Lead content ≤ 1 000 mg/kg	Electronic and electrical products
			Lead migration ≤ 13.5 mg/kg	Dry, brittle, powder-like or pliable toy material
			Lead migration ≤ 3.4 mg/kg	Liquid or sticky toy material
			Lead migration ≤ 160 mg/kg	Toy material that can be scraped off
2	Mercury	7439-97-6, etc.	Mercury migration ≤ 7.5 mg/kg	Dry, brittle, powder-like or pliable toy material
			Mercury migration ≤ 1.9 mg/kg	Liquid or sticky toy material
			Mercury migration ≤ 94 mg/kg	Toy material that can be scraped off
			Banned	a) Thermometer; b) Other measuring instruments sold in public places
			Mercury content ≤ 1 000 mg/kg	Electronic and electrical products
3	Chromium (III) and its compounds	16065-83-1, etc.	Chromium (III) migration ≤ 37.5 mg/kg	Dry, brittle, powder-like or pliable toy material
			Chromium (III) migration ≤ 9.4 mg/kg	Liquid or sticky toy material
			Chromium (III) migration ≤ 460 mg/kg	Toy material that can be scraped off
4	Chromium (VI) and its compounds	18540-29-9, etc.	Chromium (VI) migration ≤ 0.02 mg/kg	Dry, brittle, powder-like or pliable toy material
			Chromium (VI) migration ≤ 0.005 mg/kg	Liquid or sticky toy material
			Chromium (VI) migration ≤ 0.053 mg/kg	Toy material that can be scraped off
			Chromium (VI) content ≤ 2 mg/kg	Cement and mixtures containing cement
			Chromium (VI) content < 3 mg/kg	Products with leather, and leather products in contact with skin
			Chromium (VI) content ≤ 1 000 mg/kg	Electronic and electrical products



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