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NATIONAL STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA

GB 18401-2010

Replacing GB 18401-2003

National General Safety Technical Code
for Textile Products

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Preface

All contents of this Standard are mandatory.

This Standard replaces GB 18401-2003 *National General Safety Technical Code for Textile Products*. The main technical differences between this Standard and GB 18401-2003 are as follows:

- “Home use” has been added to the scope of application, and “Use” and “Except when otherwise agreed by both demand and supply parties” have been deleted;
- Quoted standard of GB/T 23344 has been added to Chapter 2;
- Infant age has been altered from 24 months to 36 months;
- Product 4.1 categorization from A, B and C coding has been changed to a verbal description;
- The pH value in category B of Table 1 has been changed from 4.0~7.5 to 4.0~8.5;
- Products in Footnotes a and b of Table 1 have been confirmed to be “non-end products”;
- Footnote c of Table 1 has been updated, with the limit value for decomposable carcinogenic arylamine set to $\leq 20\text{mg/kg}$;
- Note 5.2 has been updated to include “regulations governing exemption from testing for colorfastness to perspiration for hanging products such as curtains”;
- Note 5.3 has been updated to include “product categorization by piece”, and the 80 cm measurement in the Note has been changed to 100 cm;
- The examination limit set in 6.8 has been deleted;
- Footnote 7.4 has been added to the main texts;
- A.11, A.12 and A.13 have been added to Appendix A, and A.9 has been changed to “rag crafted products”;
- Some samples in Appendix B have been adjusted;
- “4-Ammoazobenzene” has been added to the list in appendix C;
- Appendix D has been added.

This Standard only specifies requirements for the general safety of textile products; other requirements shall be implemented according to the relevant standards.

National General Safety Technical Code For Textile Products

1. Scope

This Standard specifies the general safety technical requirements for textile products, test methods, testing, implementation and supervision principles. Other requirements for textile products shall be implemented according to the relevant standards.

This Standard is applicable to the manufacture and sale of garment, decorations and household textile products. Products for export shall be implemented according to the clauses in the respective agreements.

Note: Products listed in Appendix A do not fall under the categories of this Standard, unless otherwise indicated by the government.

2. Normative Reference

The following normative documents contain provisions which, through reference in this text, constitute provisions of this Standard. For dated reference, subsequent amendments to, or revisions of, any of these publications do not apply. However, the parties who reach an agreement based on this Standard are encouraged to investigate the possibility of applying the latest editions of the standards indicated below. For undated references, the latest edition of the normative document referred to applies.

GB/T 2912.1	Textile formaldehyde determination. Part I: free formaldehyde and hydrolyzed formaldehyde (hydro-extraction method) (GB/T 2912.1-2009, ISO 14184.1:1998, MOD)
GB/T 3920	Textile colorfastness test. Color rub-fastness test (GB/T 3920-2008, ISO 105-X12:2001, MOD)
GB/T 3922	Textile colorfastness to perspiration test method (GB/T 3922-1995, eqv ISO 105-E04:1994)
GB/T 5713	Textile colorfastness test. Colorfastness to water resistance test (GB/T 5713-1997, eqv ISO 105-E01:1994)
GB/T 7573	Textile determination of pH value of hydro-extraction liquid (GB/T 7573-2009, ISO 3071:2005, MOD)

GB/T 17592	Textile determination of forbidden azo dyes.
GB/T 18886	Textile colorfastness test. Colorfastness to saliva.
GB/T 23344	Textile determination of 4-Aminoazobenzene

3. Terms and definitions

The following terms and definitions are applicable to this Standard.

3.1 Textile products

The products of which the main materials comprise of natural and chemical fibers; that are processed by using procedures such as reeling, knitting, and dyeing, combined with stitching and compounding processes. Examples include yarn, textile and their finished products.

3.2 General safety specification

The fundamental specification that is required to ensure that fabric products are not harmful to human health.

3.3 Textile products for infants

The textile products that are worn or used by infants at/below 36 months of age.

3.4 Textile products with direct contact to skin

The textile products with large areas in direct contact with human skin when worn or used.

3.5 Textile products without direct contact to skin

The textile products with little or no area in direct contact with human skin when worn or used.

4. Product categorization

4.1 Products are sorted by end use into three categories:

- Textile products for infants
- Textile products with direct contact to skin
- Textile products without direct contact to skin

4.2 Products that can only be used after further processing by the customer (such as:

7. Inspection rules

7.1 Representative samples shall be randomly selected from every batch of products by category and color. One sample is then selected for each different color within every category.

7.2 Individual goods shall be sampled at a minimum distance of 2 m away from one end, and the sample shall be a whole piece with a length no less than 0.5 m; sampling of garments or other products shall satisfy the requirements of the determination process.

7.3 Following sample selection, the goods shall be sealed such that they are airproof. No action shall be taken. The relevant sampling technique can be found in the sampling manual in Appendix D.

7.4 An assessment shall be performed by product category in accordance with Table 1. If the results of the product determination all satisfy the corresponding requirements in Table 1 (all components of products with two or more components shall satisfy the corresponding requirements in Table 1), these samples will then conform to the general safety technical specifications; otherwise they will fail to do so. No determination process is required for small components with a total weight of less than 1% of the whole product that come into contact with skin either directly or non-directly.

7.5 If the selected samples are all conformant, the batch of products shall be determined to be conformant with the general safety technical specifications. In the event of any non-conformant samples, the product category or color represented by the sample shall be determined as non-conformant.

8. Implementation and supervision

8.1 Entities and individuals engaged in textile product research, production and trading shall strictly implement this Standard in line with the *Standardization Laws of the People's Republic of China* and the *Regulations for the Implementation of the Standardization Laws of the People's Republic of China*. The production, sale or importation of products that do not comply with this Standard are forbidden.

8.2 In line with the *Standardization Laws of the People's Republic of China* and the *Regulations for the Implementation of the Standardization Laws of the People's Republic of China*, any entity or individual is entitled to file a report, appeal or complaint against actions in breach of this Standard.

8.3 The government shall mainly use the spot-check supervision and examination method for textile products in line with the *Product Quality Laws of the People's*

Appendix A

(Informative)

List of textile products not included in the categories of this Standard

A.1 Textile products for construction use such as geotextiles, water proof linoleum ground cloth, etc.

A.2 Industrial textile products such as papermaking blanketry, awning cloth, filtrate cloth, and insulated textiles, etc.

A.3 Agricultural textile products such as soil-less cultivation ground cloth, etc.

A.4 Special protection products such as gas proof, radiation proof, high temperature endurance products, etc.

A.5 String and net products such as fishing net, cables, and climbing cables, etc.

A.6 Packaging products such as sacking and parcel packaging, etc.

A.7 Medical products such as medicated gauze and bandages, etc.

A.8 Cloth handcrafted or soft toys

A.9 Cloth handcrafted products

A.10 Outdoor products such as cloth for advertising light boxes, awning cloths and tents, etc.

A.11 Sanitary products that are disposable in nature

A.12 Umbrellas, shoes, suitcases or backpacks, etc.

A.13 Carpets

References

- [1] Standardization Laws of the People's Republic of China
- [2] Regulations for the Implementation of the Standardization Laws of the People's Republic of China
- [3] Product Quality Laws of the People's Republic of China

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Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

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