

# SAFEGUARDS

SGS CONSUMER TESTING SERVICES

SOFTLINES

NO. 035/11 FEBRUARY 2011 REVISED

## GB 18401-2010: CHINA REVISED NATIONAL GENERAL SAFETY STANDARD FOR TEXTILE PRODUCTS

Approved by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China(AQSIQ), Standardization Administration of The People's Republic of China, the new revision of GB 18401-2010 "National general safety technical code for textile products" was published on 14th January 2011, and will become effective on 1st August 2011.

This standard is applicable to the manufacture and sale of garments, decorations and household textile products. It defines the general safety technical requirements for textile products, test methods, testing and implementation and supervision principles.

The main technical differences between this new revision and GB 18401-2003 are listed below:

1. The scope of standard was adjusted to delete "Use", and to retain "manufacture" and "sale" of textile products in China. Household textile products also were added to scope of the standard.
2. The definition of infant age has been changed from 24 months to 36 months, and the height specification for products normally suitable for infants has been changed from 80cm to 100cm.
3. The pH requirement of textile products with direct contact to skin (category B) has been changed from 4.0-7.5 to 4.0-8.5.
4. '4-Aminoazobenzene' has been added to the list of cleavable carcinogenic aryl amines in appendix C of the standard. There are 24 forbidden carcinogenic aryl amines on the list.
5. Appendix D "Sampling guideline" has been added for reference
6. A note has been added stating that hanging products, such as curtains, will be exempt from the testing requirement of colour fastness to perspiration.

7. Some examples of textile product categorizations have been adjusted in Appendix B, and Appendix A has been amended to add more textile products examples.



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Technical requirement:

Item	Testing method	A <sup>1</sup>	B <sup>2</sup>	C <sup>3</sup>
Formaldehyde content (mg/kg) ≤	GB/T 2912.1	20	75	300
pH value <sup>a</sup>	GB/T 7573	4.0-7.5	4.0-8.5	4.0-9.0
Colour fastness <sup>b</sup> (grade) ≥				
Water	colour change, stain GB/T 5713	3-4	3	3
Acid Perspiration	colour change, stain GB/T 3922	3-4	3	3
Alkaline Perspiration	colour change, stain GB/T 3922	3-4	3	3
Dry rubbing	GB/T 3920	4	3	3
Saliva	colour change, stain GB/T 18886	4	-	-
Odour	GB 18401 6.7	None		
Cleavable carcinogenic aryl amines AZO dye <sup>c</sup> (mg/kg)	GB/T 17592 GB/T 23344	Forbidden		
Remark: a The pH value can be adjusted to 4.0-10.5 for non-end products that must undergo wet processing in further processing procedures. b Not applicable to: non-end products that must undergo washing and fading processes, that are of original colour or bleached products; traditional handcrafted products such as tie dyed or wax printed products. Only infants' products need to be tested for colour fastness to saliva. c A list of Cleavable carcinogenic aryl amines is given in Appendix C of GB 18401-2010;, limit value: 20 mg/kg.				

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<sup>1</sup> Textile Products for babies should comply with Category A technical requirement

<sup>2</sup> Textile Products with direct contact to skin should at least comply with Category B technical requirement

<sup>3</sup> Textile Products without direct contact to skin should at least comply with Category C technical requirement

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