

SAFEGUARDS

SGS CONSUMER TESTING SERVICES

HARDLINES

No 062/09 APRIL 2009

JAPAN UPDATE PART 3: TOY SAFETY STANDARD – EIGHTH EDITION OF ST2002

The Japan Toy Association (JTA) published the eighth edition of ST2002 on February 2009¹. In this new edition, there are several amendments on chemical properties, such as the requirements of colour migration², phthalates³ and formaldehyde⁴. Details are stated as below.



1. Requirement of colour migration:

- Expansion of scope of colour migration, effective on 1 Jan 2009:
 - Previous: Toys intended for children under 6 years of age
 - Now: Toys intended for children under 14 years of age
- For textile toys: the colour obtained from migration must not be deeper than the colour of the solution which is three times as dense in concentration as the comparison standard solution, effective on 1 Jan 2009.
 - Previous: Over 3 and under 6 years of age
 - Now: Over 3 years of age

2. Requirement of phthalates content:

- Presence: Two phthalates are restricted for toys made of synthetic resin mainly composed of polyvinyl chloride.

Restricted phthalates	Scope	Requirement
DEHP	Toys intended for under 6 years old	≤ 0.1%
DINP	Toys intended to come in contact with mouth (excluding pacifier and teething rings), and the toys intended for children under 3 years old	≤ 0.1%
Pacifier and teething rings shall not use synthetic resin containing polyvinyl chloride as raw material.		

¹ <http://www.toys.or.jp/st/>

² http://www.toys.or.jp/st/pdf/st_2renaku_20081128.pdf

³ http://www.toys.or.jp/st/pdf/st_futal_tuika_20090119.pdf

⁴ http://www.toys.or.jp/st/pdf/st_kijyun_20090129.pdf

SGS

- New requirement: Six phthalates are restricted and effective on 1 Sept 2009.

Restricted phthalates	Scope	Requirement
DEHP*, BBP or DBP	Toys made of synthetic resin mainly composed of polyvinyl chloride.	≤ 0.1%
DINP*, DIDP or DNOP	Toys made of synthetic resin mainly composed of polyvinyl chloride and intended to come in contact with mouth (excluding pacifier and teething rings), and the toys intended for children under 3 years old	≤ 0.1%
Pacifier and teething rings shall not use synthetic resin containing polyvinyl chloride as raw material.		

*Note: Under this new published version of ST2002, the phthalates requirements shall apply to toys prescribed in the Article 78 (1)⁵ of the Enforcement Regulations of the Food Sanitation Law, the “Designated Toys”. For the toys which do not fall under “Designated Toys”, the requirements concerning DEHP and DINP shall be apply as long as they are intended for children under 6 years of age.

3. Requirements of Formaldehyde:

- Scope expansion for formaldehyde requirement of textile products for children with age grading over 24 months, effective on 1 Feb 2009.
 - Previous: Textile products such as underwear, nightclothes, gloves, and socks that directly contact the human body and the adhesives used for Japanese socks, wigs, eyelashes, beards, and garters.
 - Now: Textile products used for toys intended for children 24 months and over that directly contact the human body during their use, and adhesives used for toys wigs, eyelashes, beards and garters.

Scope	Requirement
Textile products used for the toys intended for children of 24 months of age or less	≤16ug/g
Textile products used for toys intended for children 24 months and over that directly contact the human body during their use, and adhesives used for toy wigs, eyelashes, beards, and garters.	≤75ug/g



Throughout our global network of laboratories, we are able to provide a range of services, including analytical testing and consultancy of toys for the Japanese market. Please do not hesitate to contact us for further information.

⁵ [Outline of the 31st March 2008 revision of the preschool children toy regulation based on the Food Sanitation Law of JAPAN](#)

FOR ENQUIRIES:

Global Competences Support Centre: gpsc@sgs.com
 HingWo Tsang +852 2774 7420 or Hingwo.tsang@sgs.com

Asia – Hong Kong. Tel: +852 2334 4481 Fax: +852 2144 7001 mktg.hk@sgs.com
 Australasia _ Perth. Tel: +61 (0) 3 9790 3418 Fax: +61 (0) 3 9701 0988 au.cts@sgs.com
 Europe – London —UK. Tel: +44(0) 20 8991 3410 Fax: +44 (0) 20 8991 3417 gb.cts.sales@sgs.com
 Africa & Middle East – Turkey. Tel: +90 212 225 0024 Fax: +90 212 296 47 82 sgs.turkey@sgs.com
 Americas – USA. Tel: +1 973 575 5252 Fax: +1 973 575 1193 Marketing.CTS.US@sgs.com

www.sgs.com Global Competences Support Centre: gpsc@sgs.com
 If you wish to unsubscribe to this technical bulletin, go here: [Unsubscribe](#)

© 2009 SGS. All rights reserved. This is a publication of SGS, except for 3rd parties' contents submitted or licensed for use by SGS. SGS neither endorses nor disapproves said 3rd parties contents. This publication is intended to provide technical information and shall not be considered an exhaustive treatment of any subject treated. It is strictly educational and does not replace any legal requirements or applicable regulations. It is not intended to constitute consulting or professional advice. The information contained herein is provided "as is" and SGS does not warrant that it will be error-free or will meet any particular criteria of performance or quality. Do not quote or refer any information herein without SGS's prior written consent.