

INDIA REVISES THE TOY SAFETY STANDARD WITH REQUIREMENTS FOR PHTHALATES

On April 21st, 2011 the Bureau of Indian Standards (BIS) has circulated a draft amendment No. 3 to IS 9873 (Part 3):1999/ ISO 8124-3:1997 Safety requirements for toys Part 3 Migration of certain elements. The requirements for phthalates in toys are in line with the phthalate limit currently in place in more than 30 countries, including the United States, Canada and Member-States of the EU.

Following are the Requirements for phthalates which will be applied only to vinyl toys and childcare article:

SCOPE	REQUIREMENT
Vinyl in toys or childcare article	$\leq 0.1\%$ of i) Bis (2-ethylhexyl) phthalate (DEHP) ii) Dibutyl phthalate (DBP) or iii) Benzyl butyl phthalate (BBP)
Vinyl in any part of the toy or childcare article that can be placed in mouth of a child under 4 years of age.	$\leq 0.1\%$ of i) Di-"isononyl" phthalate (DINP) ii) Di-"isodecyl" phthalate (DIDP) or iii) Di-n-octyl phthalate (DnOP)

This addition of phthalate requirement to IS 9873-3 means that it is no longer identical to ISO 8124-3.

PVC is an often used plastic due to its low production cost. Phthalates or phthalate esters are organic chemicals commonly used as plasticizers to make plastic soft. The restricted phthalates can damage the male reproductive system, impair the lungs and affect the duration of pregnancy. Animal studies have shown phthalates cross the placenta barrier and can also reach babies through breastfeeding. Children under three years are more likely to be exposed to phthalates because they tend to chew and suck on plastic toys. Since their metabolic, endocrine and reproductive systems

are immature, they are more vulnerable. Laboratory analysis has shown the presence of phthalates, a highly toxic chemical, in toys sold in the Indian market. Being world's eighth largest toy market, there will be a stronger focus from Indian Regulatory bodies to aid in the harmonization of toy safety standards on a global scale. To date, companies have been expected to comply – on a voluntary basis – with Indian Standard (IS) 9873, parts 1, 2, and 3, which mirror the corresponding sections of ISO 8124, the International Organization for Standardization's family of standards on toy safety.

The draft document can be reviewed at: [Draft amendment NO 3 to IS 9873 \(Part 3\):1999/ ISO 8124-3:1997 Safety Requirements for toys part 3 migration of certain elements](#)

SGS SOLUTION

SGS India Pvt. Ltd. is the only lab approved by Bureau of Indian Standards (BIS) for IS 9873 Part 1,2,3.

Safety in the toy industry is of paramount importance not only to importers and manufacturers but also consumers. SGS knows that toy safety and quality go hand in hand in achieving customer satisfaction and building your business plan.

Throughout the supply chain, manufacturing processes need to be checked to ensure that the end product complies with all the relevant safety standards. SGS has the technical expertise and experience to offer you a comprehensive range of services to assist you smoothly through the complete range of safety testing process. For more information on our services, please feel free to contact us or visit our website.

Source: [Draft amendment NO 3 to IS 9873\(Part 3\):1999/ ISO 8124-3:1997 Safety Requirements for toys part 3 migration of certain elements](#)



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