



Toys & Children products

HCT-2015-05-03

Flame retardant requirements in the EU toy safety standards will be effective at the end of year

Earlier in 21 June 2014, EU Official Journal published EU COMMISSION DIRECTIVE 2014/79/EU amending the flame retardant requirements to the toys to stricter requirements. This new directive amends the Directive 2009/48/EC (Toys safety directive) to add above new restrictive requirements.

The flame retardants restricted by this directive includes tris(2-chloroethyl) phosphate (TCEP), tris[2-chloro-1-(chloromethyl) ethyl] phosphate (TDCP) and tris(2-chloro-1-methylethyl) phosphate (TCPP). These requirements are applicable for toys intended for use by children under 36 months or in other toys intended to be placed in the mouth.

Base on the survey results of the Scientific

Committee on Health and Environmental Risks (SCHER), the EU Commission thinks that the generic limit values of 0,5 % and 0,3 % referred to by Directive 2009/48/EC appear to be inappropriate for protecting children's health. And thus the 'detection limit of a sufficiently sensitive analytical method' for the flame retardants was set at 5 mg/kg.

Besides, SCHER agrees with the conclusion of the risk assessments that there is sufficient information to prove that TDCP & TCPP would cause cancer. Thus, EU Commission made the new 2014/79/EC Directive to amend the <Toy Safety Directive>. The new provisions are:

Specific limit values for chemicals used in toys intended for use by children under 36 months or in other toys intended to be placed in the mouth:

Substance	CAS No	Limit value
TCEP	115-96-8	5mg/kg (Content limit)
TCPP	13674-84-5	5mg/kg (Content limit)
TDCP	13674-87-8	5mg/kg (Content limit)

HCT Solutions:

HCT herein reminds customers that the new provision will be effective from 21 December 2015, toys exported to EU market should pay great attention to the flame retardants, and related enterprises should timely response to the EU restrictions. HCT has the testing qualification in testing flame retardants, could provide technical consultant services and testing services to enterprises. For more information, please refer to the previous newsletter.

Links of previous HCT newsletter "HCT-201407-01 EU strictly ban the use of Bisphenol A in toys" :

<http://www.hct-test.com/uploads/soft/140704/2-140F4135601.pdf>

Contact us:

Shenzhen Hongcai testing technology co., LTD. (HCT)

Web: <http://www.hct-test.com/>

Hotline: 400-0066-989 T: (86) 755 8416666

Email: service@hct-test.com

Add: 3rd floor, Block D, Peng Litai Industrial Estate, Long

Ping West Road, Longgang District, Shenzhen City.

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