



# 行业简讯 NEWSLETTER

## RoHS 2限制邻苯二甲酸酯在电子电气设备中的使用

2014年12月，欧盟委员会提议修改2011/65/EU (RoHS 2) 附录II某些有害物质的限制。拟议的修订案将邻苯二甲酸酯在电子电气产品中的限制扩大到4种(包括DEHP, BBP, DBP和DIBP)，并于2019年7月22日开始生效。

RoHS 2附录II拟议的修订案：

受限定物质	缩写	要求 (同类材质的重量百分比)
铅	Pb	≤0.1
镉	Cd	≤0.01
汞	Hg	≤0.1
六价铬	Cr(VI)	≤0.1
多溴化联苯	PBBs	≤0.1
多溴联苯醚	PBDEs	≤0.1
邻苯二甲酸二乙基己酯	<b>DEHP</b>	<b>≤0.1</b>
邻苯二甲酸丁苄酯	<b>BBP</b>	<b>≤0.1</b>
邻苯二甲酸二丁酯	<b>DBP</b>	<b>≤0.1</b>
邻苯二甲酸二异丁酯	<b>DIBP</b>	<b>≤0.1</b>

\* DEHP, BBP和DBP的限定不适用于已受REACH附录17管控的玩具产品。应该注意的是，电子电器玩具应符合RoHS 2中对DIBP的限定要求。

执行日期：

产品类别	现行法规执行日期	拟议修订案执行日期
	Pb, Cd, Hg, Cr(VI), PBBs, PBDEs	DEHP, BBP, DBP 和 DIBP
电子电气设备	2006年7月1日	2019年7月22日
医疗器械和监控仪器	2014年7月22日	2021年7月22日
体外诊断医疗器械	2016年7月22日	
工业监控设备	2017年7月22日	

如有任何垂询，欢迎与我们的玩具及儿童产品部联络：

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## Phthalates to be Restricted in EEE under RoHS 2

In December 2014, the European Commission proposed to amend the restriction of certain hazardous substances as listed in Annex II to the Directive 2011/65/EU (RoHS 2). The proposed amendment extends the restriction to four phthalates that include DEHP, BBP, DBP and DIBP in electrical and electronic products starting from 22 July 2019.

Proposed amendment to Annex II of RoHS 2:

Restricted Substance	Acronym	Requirements (% by weight per homogeneous material)
Lead	Pb	≤0.1
Cadmium	Cd	≤0.01
Mercury	Hg	≤0.1
Chromium VI	Cr(VI)	≤0.1
Polybrominated biphenyls	PBBs	≤0.1
Polybrominated diphenyl ethers	PBDEs	≤0.1
<b>Bis (2-ethylhexyl) phthalate</b>	<b>DEHP</b>	<b>≤0.1</b>
<b>Butyl benzyl phthalate</b>	<b>BBP</b>	<b>≤0.1</b>
<b>Dibutyl phthalate</b>	<b>DBP</b>	<b>≤0.1</b>
<b>Diisobutyl phthalate</b>	<b>DIBP</b>	<b>≤0.1</b>

\* The restriction of DEHP, BBP and DBP shall not apply to toys which are already restricted by REACH Annex XVII. It should be reminded that electrical and electronic toys should comply with DIBP requirement under RoHS 2.

Enforcement Date:

Product category	Current enforcement	Proposed enforcement
	Pb, Cd, Hg, Cr(VI), PBBs, PBDEs	DEHP, BBP, DBP and DIBP
Electrical and electronic equipment	1 July 2006	<b>22 July 2019</b>
Medical device, monitoring and control instruments	22 July 2014	<b>22 July 2021</b>
In vitro diagnostic medical devices	22 July 2016	
Industrial monitoring and control instruments	22 July 2017	

Further information and enquiry are welcomed. Please contact our Toys and Children's Products Division.

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