

# SAFEGUARDS

## CONSUMER GOODS AND RETAIL

TOYS & JUVENILE PRODUCTS

NO. 146/14 AUGUST 2014

## US CHRONIC HAZARD ADVISORY PANEL RELEASES REPORT ON PHTHALATES

In August 2008, President George W Bush signed the 'Consumer Product Safety Improvement Act of 2008' (CPSIA) into law<sup>1</sup>. Under Section 108 of CPSIA, the three phthalates BBP, DBP and DEHP are permanently banned in toys and childcare articles and the three phthalates DINP, DNOP and DIDP are banned on an interim basis in toys that can be placed in a child's mouth and childcare articles. This section of the law also requires the Consumer Product Safety Commission (CPSC) to convene a Chronic Hazard Advisory Panel (CHAP) to study the effects of children's health of phthalates and phthalate alternatives in toys and childcare.

On 17 July 2014, the CHAP released the Panel's report to the CPSC<sup>2</sup>. The report recommends to the CPSC the following:

- BBP, DBP, DEHP, DIBP, DPENP, DHEXP (DnHP) and DCHP should be permanently banned
- DIOP should be banned on an interim basis until additional data is available
- DINP, banned on an interim basis, should be permanently banned
- DIDP and DNOP, which have been banned on an interim basis, should no longer be banned

The report also commented on other phthalates and phthalate alternatives. The recommendations for these are, in general, 'no action'.

Highlights of the report on phthalates and phthalate alternatives are summarised in Tables 1-2.



<sup>1</sup> [SGS-Safeguard 064/08](#)

<sup>2</sup> [Chronic Hazard Advisory Panel on Phthalates and Phthalate Alternatives Transmittal Letter, 17 July 2014, Report to the US CPSC by the CHAP on Phthalates and Phthalate Alternatives, July 2014.](#)

TABLE 1.

ITEM	PHTHALATE	CPSIA		CHAP RECOMMENDATION
		SCOPE	REQUIREMENT	
1	BBP	Permanently banned in • Toys and childcare articles	≤ 0.1%	No further action
2	DBP		≤ 0.1%	
3	DEHP		≤ 0.1%	
4	DINP	Interim banned in • Toys that can be placed in a child's mouth • Childcare articles	≤ 0.1%	Permanent ban
5	DNOP		≤ 0.1%	Lift restriction
6	DIDP		≤ 0.1%	

TABLE 2.

ITEM	PHTHALATE / PHTHALATE ALTERNATIVE	CHAP RECOMMENDATION
1	DCHP	≤ 0.1% each as permanent ban in children's toys and childcare articles
2	DHEXP (DnHP)	
3	DIBP	
4	DPENP	
5	DIOP	≤ 0.1% as interim ban in children's toys and childcare articles until further data available.
6	DINX	Additional toxicological and exposure data required for assessment.
7	DEHT	No action
8	TOTM	
9	ATBC	No action at this time
10	DEP	
11	DMP	
12	TPIB	
13	DEHA	No recommendation on action
14	DPHP	

## DEFINITIONS.

ITEM	ACRONYM	CAS	NAME	ITEM	ACRONYM	CAS	NAME
1	BBP	85-68-7	Butylbenzyl phthalate	11	DHEXP (DnHP)	84-75-3	Di-n-hexyl phthalate

2	DBP	84-74-2	Di-n-butyl phthalate	12	DPENP	131-18-0	Di-n-pentyl phthalate
3	DEHP	117-81-7	Di(2-ethylhexyl) phthalate	13	DIOP	27554-26-3	Diisooctyl phthalate
4	DINP	28553-12-0 & 68515-48-0	Diisononyl phthalate	14	DPHP	53306-54-0	Di(2-propylheptyl) phthalate
5	DNOP	117-84-0	Di-n-octyl phthalate	15	DEHA	103-23-1	Di(2-ethylhexyl) adipate
6	DIDP	26761-40-0 & 68515-49-1	Diisodecyl phthalate	16	ATBC	77-90-7	Acetyl tributyl citrate
7	DEP	84-66-2	Diethyl phthalate	17	TPIB	6846-50-0	2,2,4-Trimethyl-1,3-pantandiol diisobutyrate
8	DIBP	84-69-5	Diisobutyl phthalate	18	DEHT	6422-86-2	Di(2-ethylhexyl) terephthalate
9	DCHP	84-61-7	Dicyclohexyl phthalate	19	TOTM	3319-31-1	Tris(2-ethylhexyl) trimellitate
10	DMP	131-11-3	Dimethyl phthalate	20	DINX	166412-78-8	Diisononyl hexadecylphthalate

Throughout our global network of laboratories, we are able to provide a range of services, including analytical testing and consultancy, for phthalates and other restricted substances in toys and childcare articles for the US and international markets. Please do not hesitate to contact us for further information.



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