

**LEGISLATIVE COUNCIL
PANEL ON ECONOMIC DEVELOPMENT**

**Concentration Limits of Phthalates Imposed by Other Jurisdictions
on Consumer Products other than Toys and Child Care Products**

Purpose

This paper provides information on the concentration limits of phthalates imposed by other jurisdictions on consumer products other than toys and child care products, as requested by Members at the meeting held on 26 November 2012.

Regulation of Phthalates in Consumer Goods other than Toys and Child Care Products in Other Jurisdictions

2. Other than toys and child care products, some other jurisdictions have imposed phthalate concentration limits or restrictions in cosmetics and food contacting materials. Details are set out in the Annex.

Commerce, Industry and Tourism Branch
Commerce and Economic Development Bureau
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Regulation of Phthalates in Cosmetics and Food Contacting Materials

	Cosmetics		Food Contacting Materials (FCMs)	
	Regulatory Means	Regulatory Details	Regulatory Means	Regulatory Details
European Union	Regulation No. 1223/2009 on cosmetic products	Cosmetic products shall not contain any prohibited substances, including DEHP, DBP and BBP.	Regulation No. 10/2011 on plastic materials and articles intended to come into contact with food	<p>Substances used for the manufacture of plastic layers in the plastic materials and articles shall be subject to certain restrictions and specifications-</p> <ul style="list-style-type: none"> - Shall not transfer their constituents to foods exceeding the following specific migration limits per kg of food- <ul style="list-style-type: none"> (a) DEHP: 1.5 mg (b) DBP: 0.3 mg (c) BBP: 30 mg (d) DINP and DIDP: 9 mg - Requirements on use- <ul style="list-style-type: none"> (a) DEHP and DBP: used only as plasticizers in repeated use materials contacting non-fatty foods (b) BBP, DINP and DIDP: used as plasticizers in repeated use materials, or single-use materials contacting non-fatty foods except infant/ follow-on formulae, cereal-based foods and baby foods

Regulation of Phthalates in Cosmetics and Food Contacting Materials

	Cosmetics		Food Contacting Materials (FCMs)	
	Regulatory Means	Regulatory Details	Regulatory Means	Regulatory Details
United States	-	-	Part 178 Section 3740 in Title 21 (Food and Drugs) of the Code of Federal Regulations	Quantitative limits of substances that may be safely used as plasticizers in polymeric substances used in the manufacture of articles or components of articles intended for use in packing, processing, packaging or holding of food- <ul style="list-style-type: none"> - BBP used in FCMs shall not contain more than 1% by weight of dibenzyl phthalate - Level of DINP shall not exceeding 43% by weight of vinyl chloride homo- and/ or copolymers used in contact with food
Canada	Food and Drugs Act and “List of Prohibited and Restricted Cosmetic Ingredients” administered by the Health Canada	<ul style="list-style-type: none"> - No person shall sell any cosmetic that has in or on it any substance that may cause injury to the health of the user when the cosmetic is in use. - DEHP is currently one of the prohibited and restricted substances. 	-	-

Regulation of Phthalates in Cosmetics and Food Contacting Materials

	Cosmetics		Food Contacting Materials (FCMs)	
	Regulatory Means	Regulatory Details	Regulatory Means	Regulatory Details
Australia	Industrial Chemicals (Notification and Assessment) Act 1989	DEHP is banned from use in cosmetics.	-	-
Singapore	Health Products (Cosmetic Products - ASEAN Cosmetic Directive) Regulations 2007	DEHP, DBP and BBP must not form part of the composition of cosmetic products.	-	-
Mainland China	-	-	Hygiene Standards for Uses of Addictives in Food Containers and Packaging Materials GB9685-2008	<p>Addictives used in food containers and packaging material shall comply with the specific migration limits and restrictive requirements-</p> <ul style="list-style-type: none"> - Specific migration limits or maximum residual levels- <ul style="list-style-type: none"> (a) DEHP: 1.5 mg/kg (b) DBP: 0.3 mg/kg (c) DINP and DIDP: 9 mg/kg - Used only in materials contacting non-fatty foods, but not in materials contacting infants and baby foods

Legend

- DEHP - diethylhexyl phthalate, also known as di-(2-ethylhexyl) phthalate or bis (2-ethylhexyl) phthalate
- DBP - dibutyl phthalate
- BBP - benzyl butyl phthalate
- DINP - di-isononyl phthalate
- DIDP - di-isodecyl phthalate
- DIBP - di-isobutyl phthalate